

**EPAS-1 Polyclonal Antibody**  
Catalog # AP73508**Specification****EPAS-1 Polyclonal Antibody - Product Information**

Application	IF
Primary Accession	<a href="#">Q99814</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

**EPAS-1 Polyclonal Antibody - Additional Information****Gene ID** 2034**Other Names**

EPAS1; BHLHE73; HIF2A; MOP2; PASD2; Endothelial PAS domain-containing protein 1; EPAS-1; Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; bHLHe73;HIF-1-alpha-like factor; HLF; Hypoxia-inducible factor 2-alpha; HIF-2-alpha; HIF2-alpha; Member of PAS protein 2; PAS domain-containing protein 2

**Dilution**

IF~~IF: 1:50-200 Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**EPAS-1 Polyclonal Antibody - Protein Information****Name** EPAS1**Synonyms** BHLHE73, HIF2A, MOP2, PASD2**Function**

Transcription factor involved in the induction of oxygen regulated genes. Heterodimerizes with ARNT; heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters (By similarity). Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation requires recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX1 seems to activate CTAD (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P97481, ECO:0000255|PROSITE-ProRule:PRU00981}. Nucleus speckle {ECO:0000250|UniProtKB:P97481}. Note=Colocalizes with HIF3A in the nucleus and speckles. {ECO:0000250|UniProtKB:P97481}

#### Tissue Location

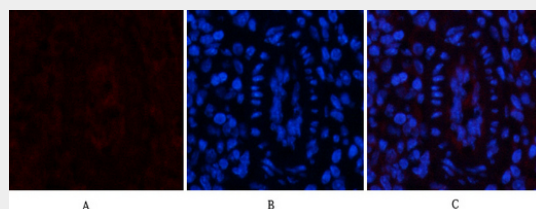
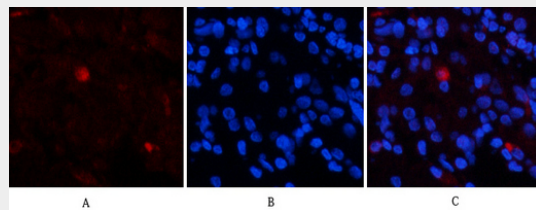
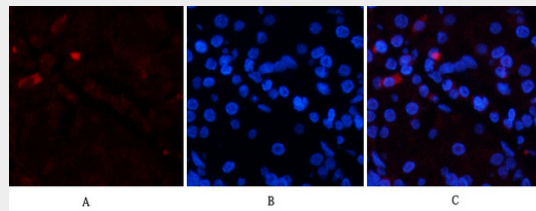
Expressed in most tissues, with highest levels in placenta, lung and heart. Selectively expressed in endothelial cells

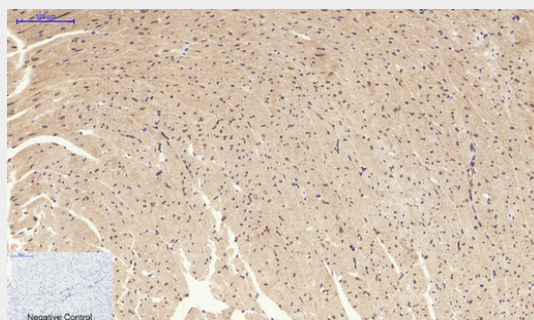
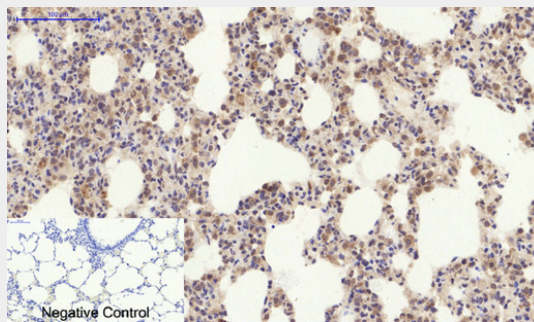
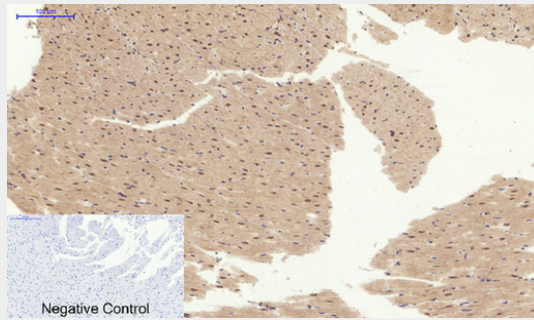
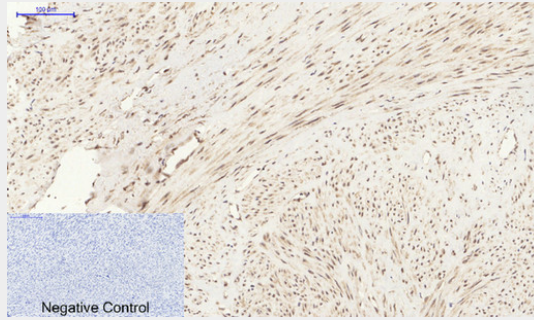
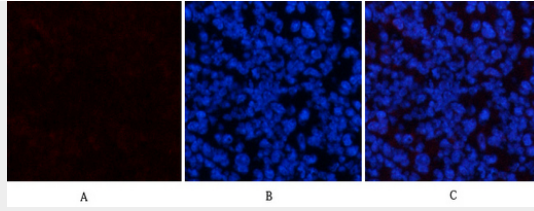
#### EPAS-1 Polyclonal Antibody - Protocols

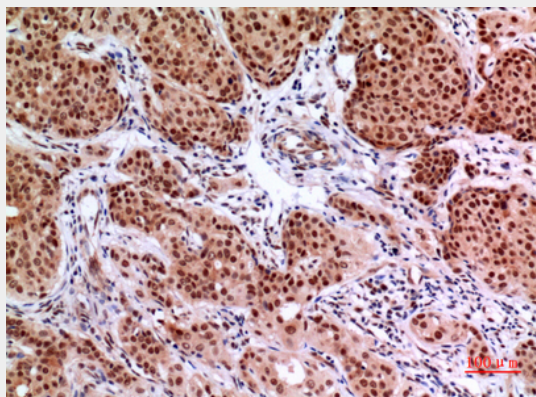
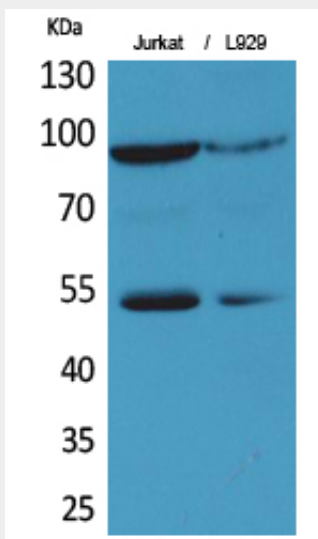
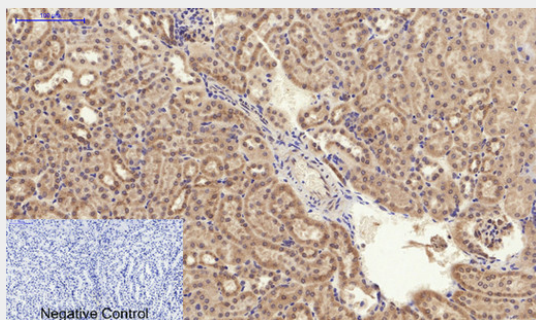
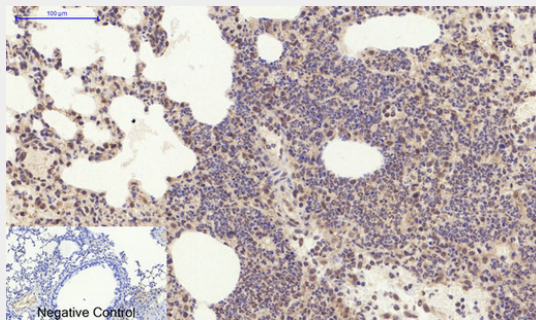
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

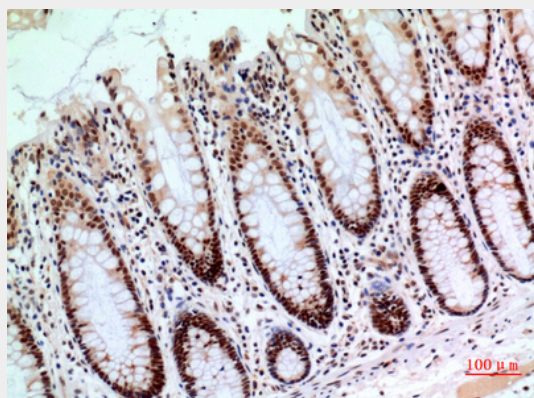
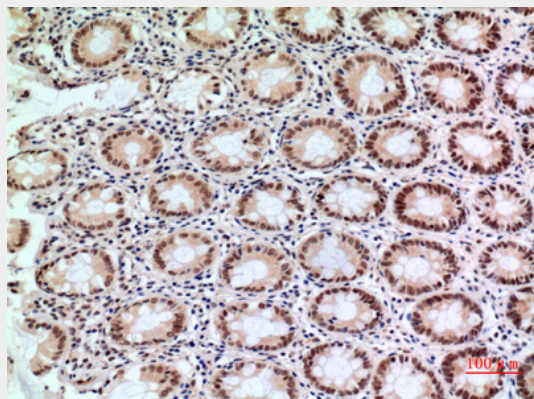
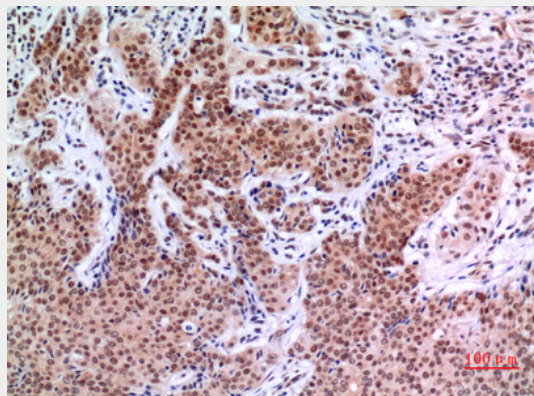
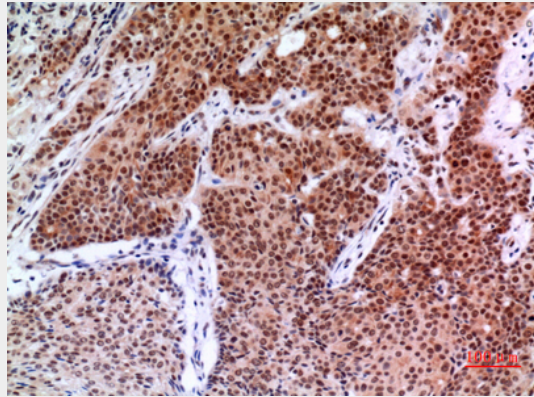
#### EPAS-1 Polyclonal Antibody - Images

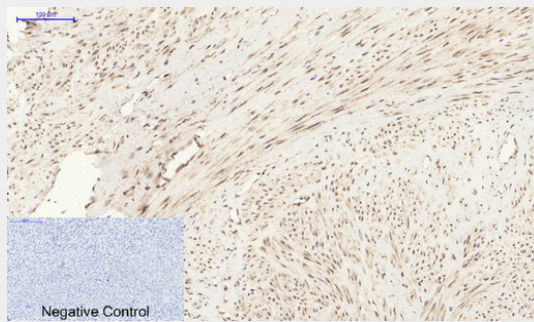
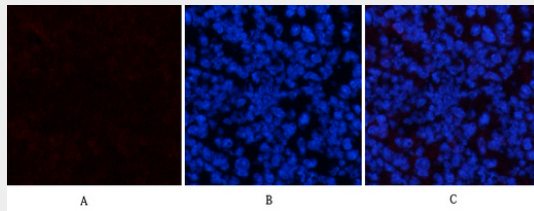
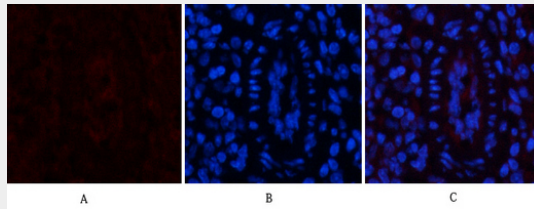
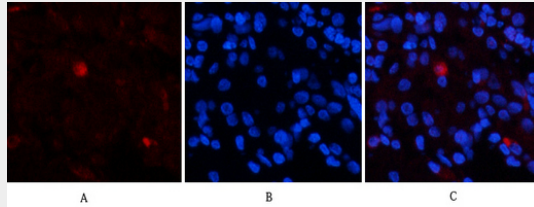
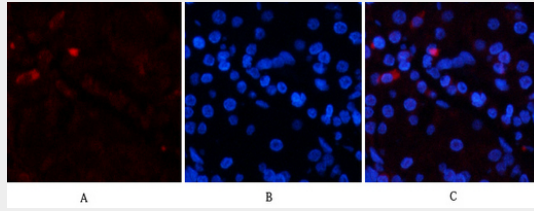




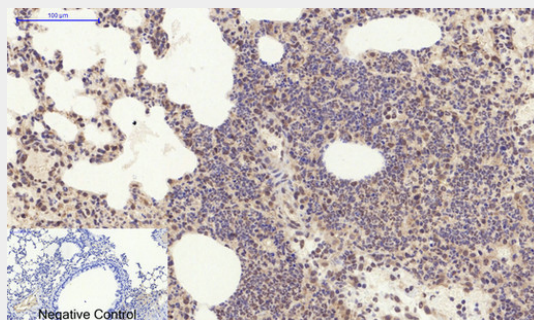
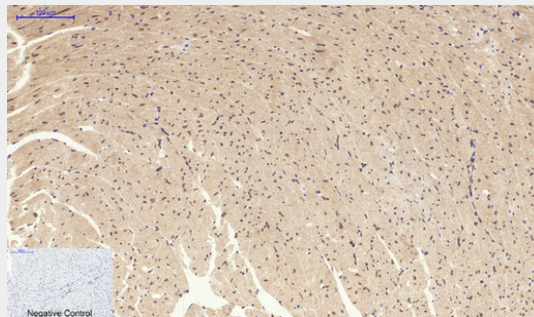
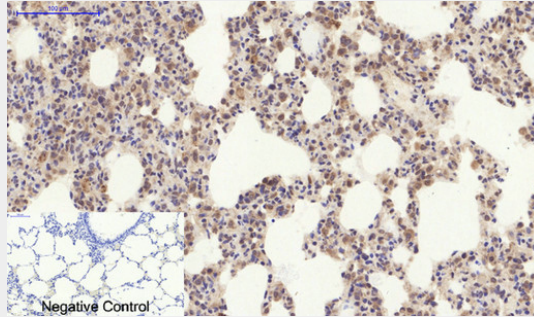
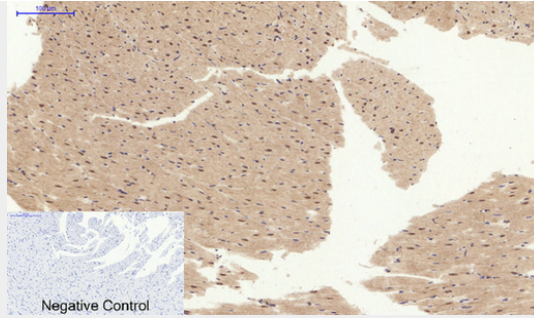


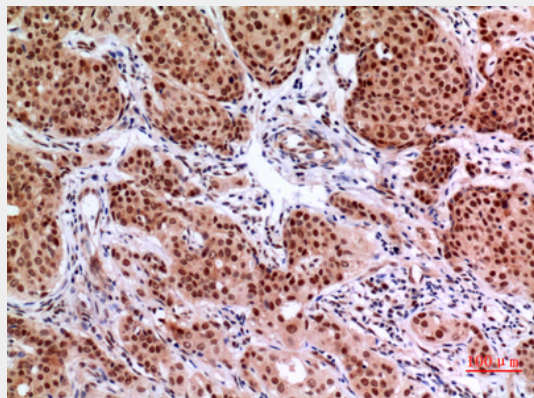
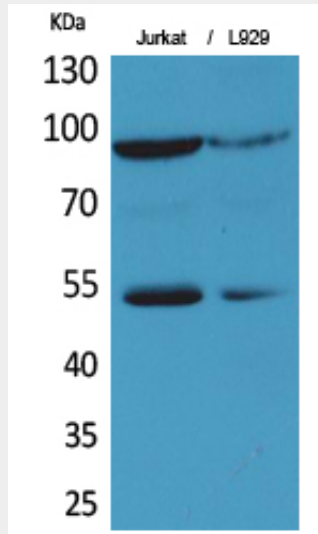
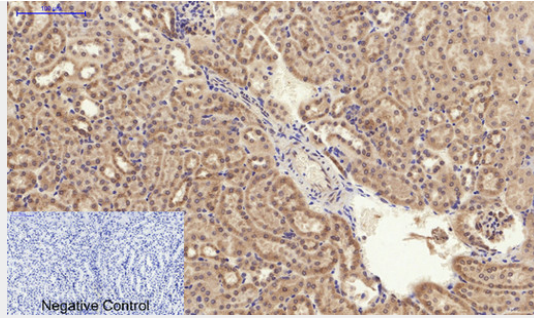




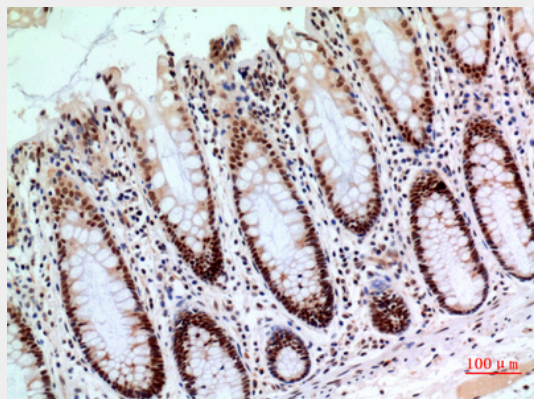
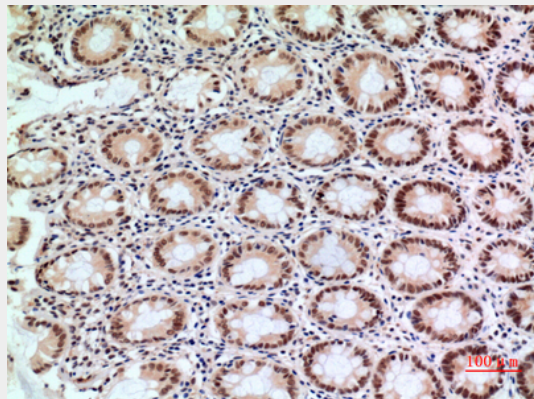
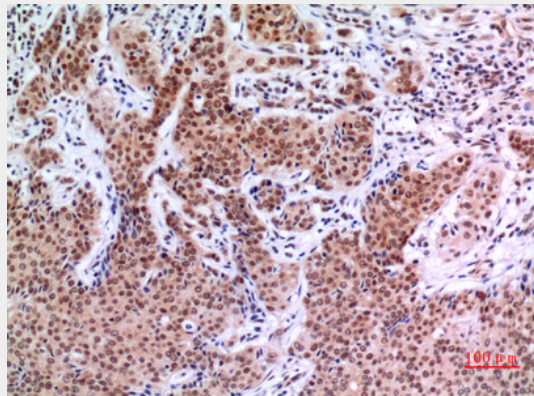
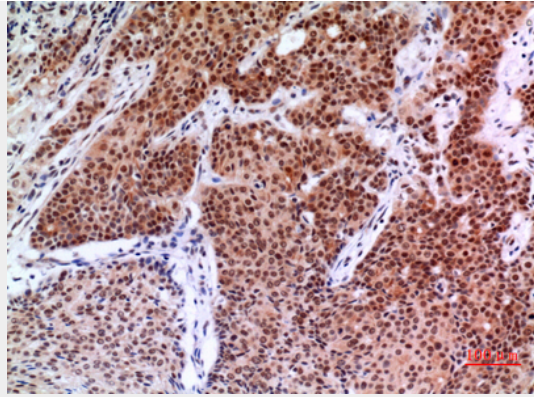












## **EPAS-1 Polyclonal Antibody - Background**

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