

STK38 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58405

Specification

STK38 Polyclonal Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | IHC-P, WB |
| Primary Accession | O15208 |
| Reactivity | Rat, Pig, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 54190 |

STK38 Polyclonal Antibody - Additional Information

Gene ID 11329

Other Names

Serine/threonine-protein kinase 38, 2.7.11.1, NDR1 protein kinase, Nuclear Dbf2-related kinase 1, STK38 {ECO:0000312|EMBL:AAH12085.1}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

STK38 Polyclonal Antibody - Protein Information

Name STK38 {ECO:0000303|PubMed:17906693, ECO:0000312|HGNC:HGNC:17847}

Function

Serine/threonine-protein kinase that acts as a negative regulator of MAP3K1/2 signaling (PubMed:12493777, PubMed:15197186, PubMed:17906693, PubMed:7761441). Converts MAP3K2 from its phosphorylated form to its non-phosphorylated form and inhibits autophosphorylation of MAP3K2 (PubMed:12493777, PubMed:15197186, PubMed:17906693, PubMed:7761441). Acts as an ufmylation 'reader' in a kinase-independent manner: specifically recognizes and binds mono- ufmylated histone H4 in response to DNA damage, promoting the recruitment of SUV39H1 to the double-strand breaks, resulting in ATM activation (PubMed:32537488).

Cellular Location

Nucleus. Cytoplasm. Chromosome Note=Localizes to DNA double-strand breaks in response to DNA damage

Tissue Location

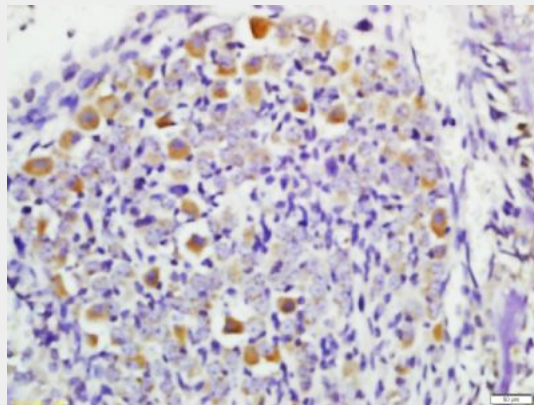
Ubiquitously expressed with highest levels observed in peripheral blood leukocytes.

STK38 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](#)

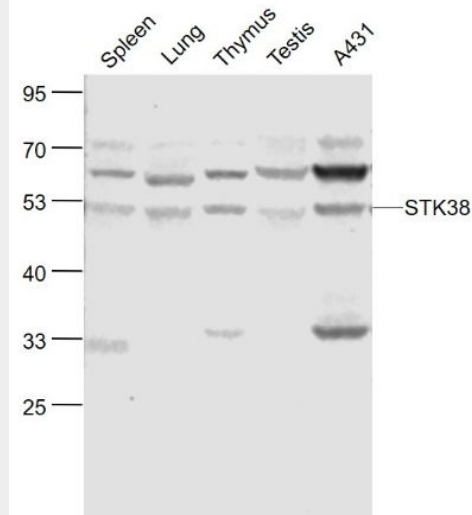
STK38 Polyclonal Antibody - Images



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-STK38 Polyclonal Antibody, Unconjugated(bs-6257R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**Sample:**

Spleen (Mouse) Lysate at 40 ug

Lung (Mouse) Lysate at 40 ug

Thymus (Mouse) Lysate at 40 ug

Testis (Mouse) Lysate at 40 ug

A431(Human) Cell Lysate at 30 ug

Primary: Anti-STK38 (bs-6257R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD

Observed band size: 51 kD