

**MDA-7 Polyclonal Antibody**  
Catalog # AP73594**Specification****MDA-7 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q13007</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**MDA-7 Polyclonal Antibody - Additional Information****Gene ID** 11009**Other Names**

IL24; MDA7; ST16; Interleukin-24; IL-24; Melanoma differentiation-associated gene 7 protein; MDA-7; Suppression of tumorigenicity 16 protein

**Dilution**

WB~~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

**MDA-7 Polyclonal Antibody - Protein Information****Name** IL24**Synonyms** MDA7, ST16**Function**

Multifunctional cytokine mainly produced by T-cells that plays a regulatory role in immune response, tissue homeostasis, host defense, and oncogenesis (PubMed: [25168428](http://www.uniprot.org/citations/25168428), PubMed: [27687232](http://www.uniprot.org/citations/27687232)). Possesses antiviral functions and induces the type I interferon response during influenza infection (PubMed: [27687232](http://www.uniprot.org/citations/27687232)). Signals through two receptor complexes IL20RA/IL20RB or IL20RB/IL22RA1 (PubMed: [11706020](http://www.uniprot.org/citations/11706020), PubMed: [30111632](http://www.uniprot.org/citations/30111632)). In turn, stimulates the JAK1-STAT3 and MAPK pathways and promotes the secretion of pro-inflammatory mediators including IL8 and MMP1 (PubMed: [25168428](http://www.uniprot.org/citations/25168428)). Intracellularly, maintains endoplasmic reticulum homeostasis

by restricting the eIF2alpha-CHOP pathway- mediated stress signal (By similarity). In addition, acts as a quality control mechanism for the ubiquitin proteasome system by alerting the cell to proteasome dysfunction through activation of PKR/EIF2AK2 (By similarity).

#### Cellular Location

Secreted.

#### Tissue Location

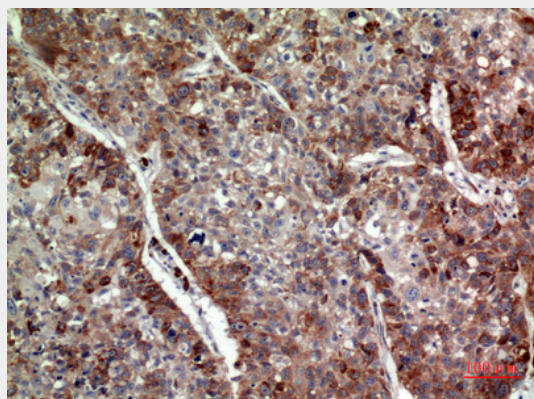
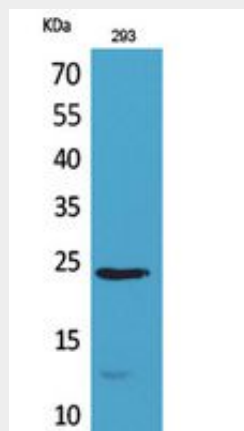
Up-regulated in melanoma cells induced to terminally differentiate

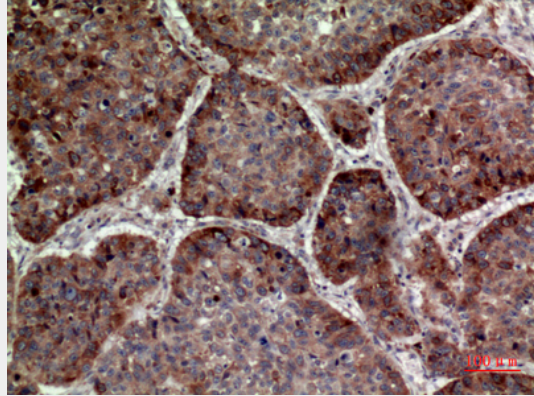
### MDA-7 Polyclonal Antibody - Protocols

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](#)

### MDA-7 Polyclonal Antibody - Images





### **MDA-7 Polyclonal Antibody - Background**

Has antiproliferative properties on melanoma cells and may contribute to terminal cell differentiation.