

**HIS Tag Antibody, HRP Conjugate**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8499b****Specification**

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**HIS Tag Antibody, HRP Conjugate - Product Information**

Application	WB,E
Primary Accession	<a href="#">P08581</a>
Reactivity	<b>Recombinant Fragment</b>
Host	<b>Mouse</b>
Clonality	<b>monoclonal</b>
Isotype	<b>IgG1</b>

**HIS Tag Antibody, HRP Conjugate - Additional Information****Gene ID** 4233**Target/Specificity**

This HIS Tag antibody is generated from a mouse immunized with recombinant protein.

**Dilution**

WB~~1:2000

**Format**

PBS

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

HIS Tag Antibody, HRP Conjugate is for research use only and not for use in diagnostic or therapeutic procedures.

**HIS Tag Antibody, HRP Conjugate - Protein Information****Name** MET

**Function** Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/HGF ligand. Regulates many physiological processes including proliferation, scattering, morphogenesis and survival. Ligand binding at the cell surface induces autophosphorylation of MET on its intracellular domain that provides docking sites for downstream signaling molecules. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1. Recruitment of these downstream effectors by MET leads to the activation of several signaling cascades including the RAS-ERK, PI3 kinase-AKT, or PLCgamma-PKC. The RAS-ERK activation is associated with the morphogenetic effects while PI3K/AKT coordinates prosurvival effects. During embryonic development, MET signaling plays a role in gastrulation, development and migration of neuronal

precursors, angiogenesis and kidney formation. During skeletal muscle development, it is crucial for the migration of muscle progenitor cells and for the proliferation of secondary myoblasts (By similarity). In adults, participates in wound healing as well as organ regeneration and tissue remodeling. Promotes also differentiation and proliferation of hematopoietic cells. May regulate cortical bone osteogenesis (By similarity).

#### Cellular Location

Membrane; Single-pass type I membrane protein.

#### Tissue Location

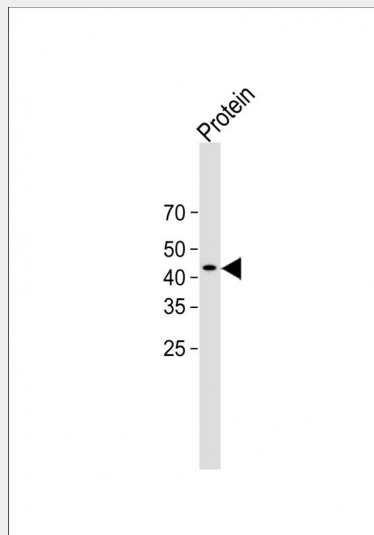
Expressed in normal hepatocytes as well as in epithelial cells lining the stomach, the small and the large intestine Found also in basal keratinocytes of esophagus and skin. High levels are found in liver, gastrointestinal tract, thyroid and kidney. Also present in the brain. Expressed in metaphyseal bone (at protein level) (PubMed:26637977).

### HIS Tag Antibody, HRP Conjugate - Protocols

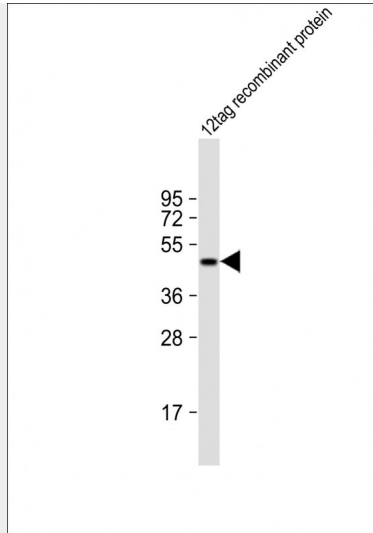
Provided below are standard protocols that you may find useful for product applications.

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

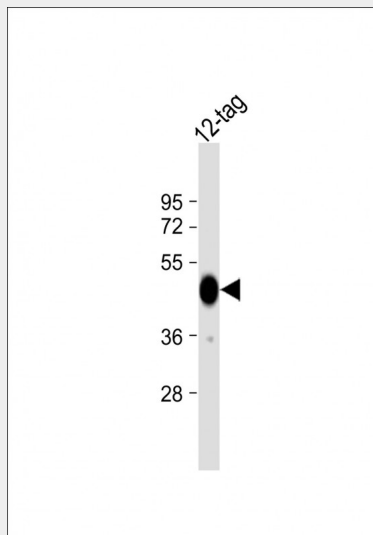
### HIS Tag Antibody, HRP Conjugate - Images



All lanes: Anti- HIS Tag Antibody(conjugated HRP) at 1:2000 dilution + Protein whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 45 KDa Blocking/Dilution buffer: 5% NFDm/TBST.



Anti-HIS Tag Antibody at 1:2000 dilution + 12tag recombinant protein lysate Lysates/proteins at 20 µg per lane. Predicted band size : 45-50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Anti-HIS Tag Antibody at 1:2000 dilution + 12-tag protein lysate Lysates/proteins at 20 µg per lane. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.