10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HIS Tag Antibody, HRP Conjugate

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8499b

Product Information

Application	WB, E
Primary Accession	P08581
Reactivity	Recombinant Fragment
Host	Mouse
Clonality	monoclonal
Isotype	IgG1
Clone Names	6AT18
Calculated MW	155541

Additional Information

Gene ID	4233
Target/Specificity	This HIS Tag antibody is generated from a mouse immunized with recombinant protein.
Dilution	WB~~1:250 E~~Use at an assay dependent concentration.
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.

Protein Information

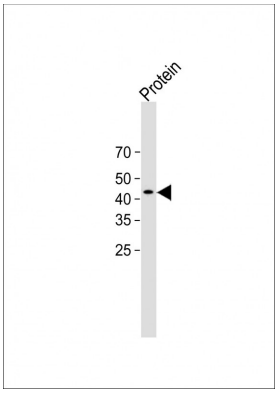
Name	MET
Function	Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding to hepatocyte growth factor/HGF ligand. Regulates many physiological processes including proliferation, scattering, morphogenesis and survival. Ligand binding at the cell surface 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. Also promotes differentiation and proliferation of hematopoietic cells. May regulate cortical bone osteogenesis (By similarity).

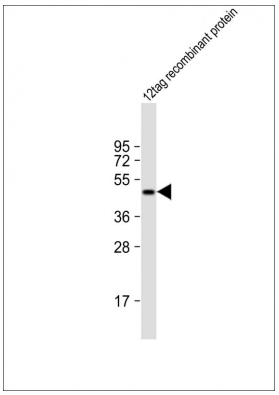
Cellular Location Membrane; Single-pass type I membrane protein.

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).

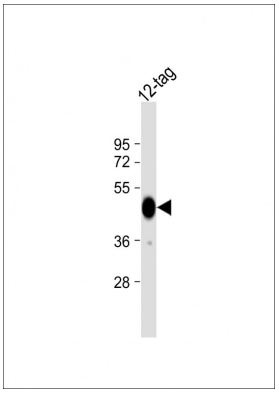
Images



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, HRP conjugate 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.