abcam

ab303472

Alexa Fluor® 647 Anti-Met (c-Met) antibody [EPR22436-24]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Conjugation	Alexa Fluor® 647
Excitation/Emission	Ex: 650nm, Em: 665nm
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR22436-24
Purification technique	Affinity purification Protein A
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse
Dilution info	1/50
Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1/50
Notes	-

Target data

See full target information 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 (PubMed:30777867). In adults, participates in wound healing as well as organ regeneration and tissue remodeling. Also promotes differentiation and proliferation of hematopoietic cells (By similarity). May regulate cortical bone osteogenesis (PubMed:26637977). (Microbial infection) Acts as a receptor for Listeria monocytogenes internalin InlB, mediating entry of the pathogen into cells.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks

Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle, Store in the dark

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

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Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

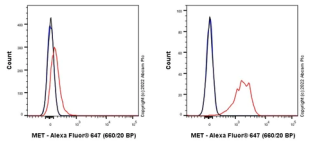
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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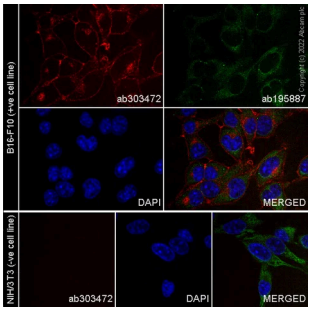
2 product images



Flow Cytometry - Alexa Fluor® 647 Anti-Met (c-Met) antibody [EPR22436-24] (ab303472)

Met (c-Met) Flow Cytometry staining using rabbit Anti-Met (c-Met) antibody

Flow Cytometry analysis of NIH/3T3 (mouse embryonic fibroblast) (Left panel) or B16-F10 (Mouse skin melanoma) (Right panel) stained for Met (c-Met) using ab303472 at a 1/50 dilution (10 µg) (Red) compared to Rabbit IgG monoclonal [EPR25A] - Isotype Control (Alexa Fluor® 647) (ab199093) (Black) and cells without incubation with primary antibody and secondary antibody (Blue). Negative control: NIH/3T3 (PMID: 21496277, 8197126, 9888438). Gated on viable cells.



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-Met (c-Met) antibody [EPR22436-24] (ab303472)

Met (c-Met) Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Met (c-Met) antibody

Immunocytochemical analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized B16-F10 (mouse skin melanoma mixture of spindle-shaped and epithelial-like cells) cells staining Met (c-Met) using ab303472 at a 1/50 dilution (10 µg/ml) (Red). Nuclear counterstain is DAPI (Blue). Counterstained with ab195887 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 488) at a 1/200 dilution (2.5 µg/ml) (Green). Confocal image showing membranous and cytoplasmic staining in B16-F10 cells. Negative control: NIH/3T3 (PMID: 21496277, 8197126, 9888438).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.