Product name: Anti-Met (c-Met) antibody

Description: Goat polyclonal to Met (c-Met)

Host species: Goat

Tested applications: Suitable for: ICC/IF, Neutralising, ELISA, WB

Species reactivity: Reacts with: Mouse, Human

Immunogen: Recombinant fragment (extracellular domain)(Human).

General notes: The detection limit in immunoblotting for recombinant human HGF R is approximately 5 ng/lane under non-reducing and reducing conditions. Both the alpha and beta chains of HGF R are detected by this antibody under reducing conditions. The detection limit in ELISA for recombinant human HGF R is approximately 0.16 ng/well.

Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer: Constituents: PBS, 0.5% Trehalose

Purity: Immunogen affinity purified

Primary antibody notes: The detection limit in immunoblotting for recombinant human HGF R is approximately 5 ng/lane under non-reducing and reducing conditions. Both the alpha and beta chains of HGF R are detected by this antibody under reducing conditions. The detection limit in ELISA for recombinant human HGF R is approximately 0.16 ng/well.

Clonality: Polyclonal

Isotype: IgG

Applications: Our Abpromise guarantee covers the use of ab10728 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
### Function
Receptor for hepatocyte growth factor and scatter factor. Has a tyrosine-protein kinase activity. Functions in cell proliferation, scattering, morphogenesis and survival.

### Involvement in disease
Note=Activation of MET after rearrangement with the TPR gene produces an oncogenic protein.
Note=Defects in MET may be associated with gastric cancer.
Defects in MET are a cause of hepatocellular carcinoma (HCC) [MIM:114550].
Defects in MET are a cause of renal cell carcinoma papillary (RCCP) [MIM:605074]. It is a subtype of renal cell carcinoma tending to show a tubulo-papillary architecture formed by numerous, irregular, finger-like projections of connective tissue. Renal cell carcinoma is a heterogeneous group of sporadic or hereditary carcinoma derived from cells of the proximal renal tubular epithelium. It is subclassified into common renal cell carcinoma (clear cell, non-papillary carcinoma), papillary renal cell carcinoma, chromophobe renal cell carcinoma, collecting duct carcinoma with medullary carcinoma of the kidney, and unclassified renal cell carcinoma.
Note=A common allele in the promoter region of the MET shows genetic association with susceptibility to autism in some families. Functional assays indicate a decrease in MET promoter activity and altered binding of specific transcription factor complexes.
Note=MET activating mutations may be involved in the development of a highly malignant, metastatic syndrome known as cancer of unknown primary origin (CUP) or primary occult malignancy. Systemic neoplastic spread is generally a late event in cancer progression. However, in some instances, distant dissemination arises at a very early stage, so that metastases reach clinical relevance before primary lesions. Sometimes, the primary lesions cannot be identified in spite of the progresses in the diagnosis of malignancies.

### Sequence similarities
Belongs to the protein kinase superfamily. Tyr protein kinase family.
Contains 3 IPT/TIG domains.
Contains 1 protein kinase domain.
Contains 1 Sema domain.

### Domain
The kinase domain is involved in SPSB1 binding.

### Post-translational modifications
Dephosphorylated by PTPRJ at Tyr-1349 and Tyr-1365.

### Cellular localization
Membrane.

### Application | Abreviews | Notes | Images
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<thead>
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<tbody>
<tr>
<td>ICC/IF</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>Neutralising</td>
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<td>Use a concentration of 0.5 - 2 µg/ml. ab10728 has the ability to neutralize receptor-ligand interaction. Approximately 0.5-2 mg/mL of the antibody will block 50% of the binding of recombinant human HGF (5 ng/mL) to immobilized recombinant human HGF R/Fc Chimera (100 mL of a 1 mg/mL solution coated in each well) in an ELISA. 10 mg/mL of the antibody will block 90% of binding.</td>
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<tr>
<td>ELISA</td>
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<td>Use a concentration of 0.5 - 1 µg/ml.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 129 kDa.</td>
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ab10728 staining mouse muscle cells by ICC/IF. Cells were PFA fixed and permeabilized in 0.5% Triton prior to blocking with 1% serum for 30 minutes at 25°C. The primary antibody was diluted 1/50 and incubated with the sample for 1 hour at 25°C. An Alexa Fluor® 488 conjugated chicken anti-goat antibody was used as the secondary.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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