Product datasheet

Anti-Met (c-Met) antibody ab74217

Overview

Product name: Anti-Met (c-Met) antibody
Description: Rabbit polyclonal to Met (c-Met)
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, IHC-P, WB
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide within Human Met (c-Met) aa 1350 to the C-terminus (C terminal). The exact sequence is proprietary.
Database link: P08581
Positive control: A431 cells; Paraffin embedded human breast and ovarian carcinoma tissues.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: pH: 7.6
Preservative: 0.1% Sodium azide
 Constituents: PBS, 1% BSA
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab74217 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 24626333</td>
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<tr>
<td>IHC-P</td>
<td>1/50. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</td>
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<td>Application</td>
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<td>WB</td>
<td>Use a concentration of 2 - 4 µg/ml. Predicted molecular weight: 156 kDa.</td>
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**Target**

**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.

**Images**
ab74217 at 1/50 dilution staining Met (c-Met) in human ovarian carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue.

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

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