abcam

Product datasheet

FITC Anti-Met (c-Met) antibody [243] ab279589

Recombinant

1 Image

Overview

Product name	FITC Anti-Met (c-Met) antibody [243]
Description	FITC Rabbit monoclonal [243] to Met (c-Met)
Host species	Rabbit
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein corresponding to Human Met (c-Met). A DNA sequence encoding the extracellular domain (Met1-Thr932) of human c-Met fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus. Database link: **P08581**
Positive control	Flow Cyt: HepG2 cells
General notes	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 production For more information **see here**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 99.41% Deionized Water (H20), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	243
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab279589 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. Concentration: 10 µl/Test, 0.1 mg/ml

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.

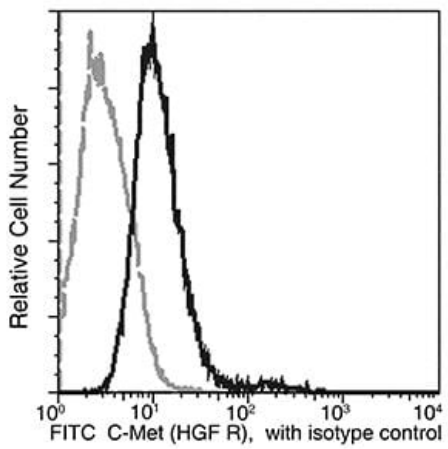
Sequence similarities Belongs to the protein kinase superfamily. Tyr protein kinase family.
Contains 3 IPT/TIG domains.
Contains 1 protein kinase domain.
Contains 1 Sema domain.

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



Flow Cytometry - Anti-Met (c-Met) antibody (ab279589)

Flow cytometric analysis showing c-Met expression on HepG2 cells using ab279589 (black peak) along with an isotype control (grey peak).

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