

Product datasheet

Anti-Met (c-Met) (phospho Y1349) antibody ab47606

2 References 1 Image

Overview

Product name	Anti-Met (c-Met) (phospho Y1349) antibody
Description	Rabbit polyclonal to Met (c-Met) (phospho Y1349)
Host species	Rabbit
Specificity	This antibody is specific for Met (c-Met), only when phosphorylated at tyrosine 1349. This antibody may cross-react with other activated protein tyrosine kinases.
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	A synthesized phosphopeptide derived from human Met around the phosphorylation site of tyrosine 1349 (E-H-Y ^P -V-H)
Positive control	Extracts from HepG2 cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Purification notes	The antibody was affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non phosphopeptide was removed by chromatography using non phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab47606** in the following tested applications.

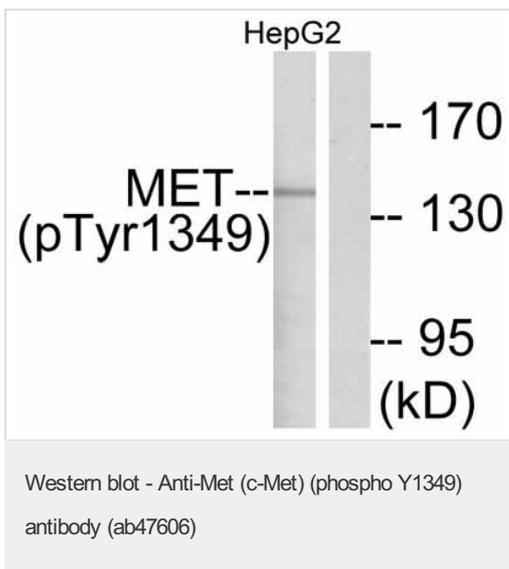
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 160 kDa (predicted molecular weight: 156 kDa).
ELISA		1/10000.

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	<p>Note=Activation of MET after rearrangement with the TPR gene produces an oncogenic protein.</p> <p>Note=Defects in MET may be associated with gastric cancer.</p> <p>Defects in MET are a cause of hepatocellular carcinoma (HCC) [MIM:114550].</p> <p>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.</p> <p>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.</p> <p>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.</p>
Sequence similarities	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family.</p> <p>Contains 3 IPT/TIG domains.</p> <p>Contains 1 protein kinase domain.</p> <p>Contains 1 Sema domain.</p>
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



All lanes : Anti-Met (c-Met) (phospho Y1349) antibody (ab47606) at 1/500 dilution

Lane 1 : Extracts from HepG2 cells

Lane 2 : Extracts from HepG2 cells, synthetic phosphopeptide present

Predicted band size: 156 kDa

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