

Product datasheet

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

2 References 1 Image

Overview

<b>Product name</b>	Anti-Met (c-Met) (phospho Y1349) antibody
<b>Description</b>	Rabbit polyclonal to Met (c-Met) (phospho Y1349)
<b>Specificity</b>	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.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	A synthesized phosphopeptide derived from human Met around the phosphorylation site of tyrosine 1349 (E-H-Y <sup>P</sup> -V-H)
<b>Positive control</b>	Extracts from HepG2 cells.

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, 150mM Sodium chloride, pH 7.4
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	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.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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.

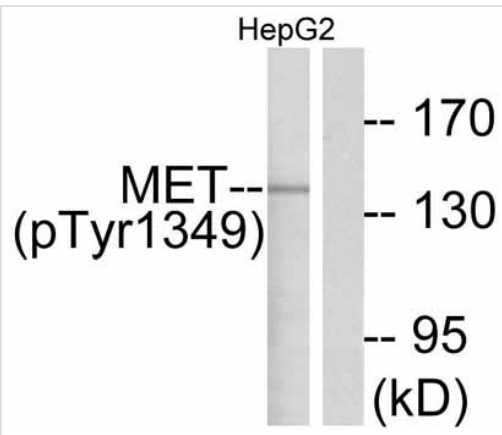
Application	Abreviews	Notes
WB		1/500 - 1/1000. Detects a band of approximately 160 kDa (predicted molecular weight: 156 kDa).

Application	Abreviews	Notes
ELISA		1/10000.

## Target

<b>Function</b>	Receptor for hepatocyte growth factor and scatter factor. Has a tyrosine-protein kinase activity. Functions in cell proliferation, scattering, morphogenesis and survival.
<b>Involvement in disease</b>	<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>
<b>Sequence similarities</b>	<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>
<b>Domain</b>	The kinase domain is involved in SPSB1 binding.
<b>Post-translational modifications</b>	Dephosphorylated by PTPRJ at Tyr-1349 and Tyr-1365.
<b>Cellular localization</b>	Membrane.

## Images



Western blot - Met (c-Met) (phospho Y1349)  
antibody (ab47606)

**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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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