

## Product datasheet

# Anti-Met (c-Met) antibody ab137654

[4 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-Met (c-Met) antibody
<b>Description</b>	Rabbit polyclonal to Met (c-Met)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide, corresponding to a region within C terminal amino acids 1329-1390 of Human Met (c-Met).

### General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab137654 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
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. Suggested antigen retrieval using heat mediated 10mM citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
WB		1/500 - 1/3000. Predicted molecular weight: 158 kDa.

## 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.

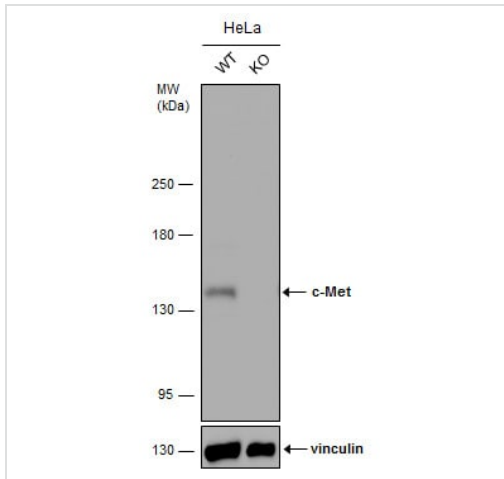
### Post-translational modifications

Dephosphorylated by PTPRJ at Tyr-1349 and Tyr-1365.

### Cellular localization

Membrane.

## Images



Western blot - Anti-Met (c-Met) antibody - C-terminal (ab137654)

**All lanes :** Anti-Met (c-Met) antibody (ab137654) at 1/1000 dilution

**Lane 1 :** WT HeLa cell extract

**Lane 2 :** Met (c-Met) Knockout HeLa cell extracts

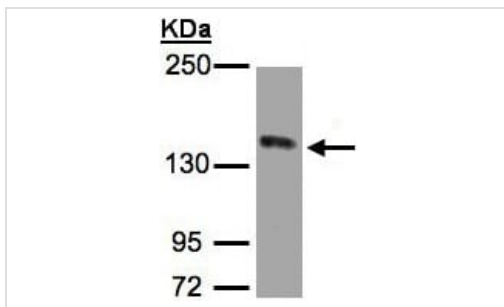
Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes :** HRP-conjugated anti-rabbit IgG

**Predicted band size:** 158 kDa

**Observed band size:** 70 kDa

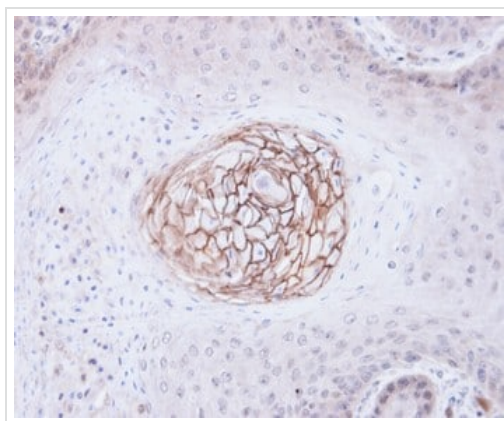


Western blot - Anti-Met (c-Met) antibody (ab137654)

Anti-Met (c-Met) antibody (ab137654) at 1/1000 dilution + HeLa S3 whole cell lysate at 30 µg

**Predicted band size:** 158 kDa

5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Met (c-Met) antibody (ab137654)

Immunohistochemical analysis of paraffin embedded Cal27 xenograft, labelling Met (c-Met) with ab137654 at 1/100 dilution.

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

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