

# Met (Phospho Tyr1234/1235) (PT0745R) PT® Rabbit mAb

CatalogNo: YM8554 **Recombinant** 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB, IHC, IF, IP, ELISA

### MW

- 155kD (Calculated)
- 155kD (Observed)

### Isotype

- IgG, Kappa

## Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

## Basic Information

**Clonality** Monoclonal

**Clone Number** PT0745R

## Immunogen Information

**Specificity** This antibody detects endogenous levels of Met only when phosphorylated at Tyr1234 or Thr1235, and dually phosphorylated at two sites.

## | Target Information

**Gene name** MET

**Protein Name** Met (Tyr1234/1235)

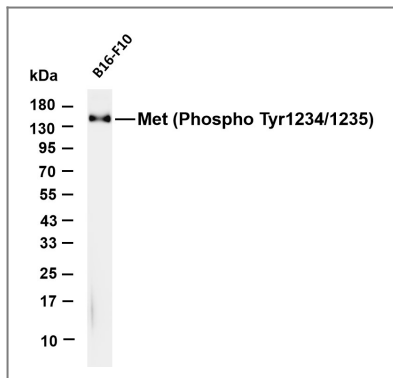
Organism	Gene ID	UniProt ID
Human	<a href="#">4233</a> ;	<a href="#">P08581</a> ;
Mouse		<a href="#">P16056</a> ;
Rat	<a href="#">24553</a> ;	<a href="#">P97523</a> ;

**Cellular Localization** Membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted.

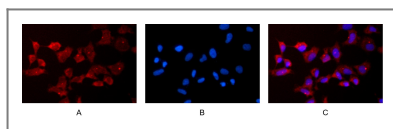
**Tissue specificity** Expressed in normal hepatocytes as well as in epithelial cells lining the stomach, the small and the large intestine. Found also in basal keratinocytes of esophagus and skin. High levels are found in liver, gastrointestinal tract, thyroid and kidney. Also present in the brain. Expressed in metaphyseal bone (at protein level) (PubMed:26637977).

**Function** Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Activation of MET after rearrangement with the TPR gene produces an oncogenic protein.,Disease:Defects in MET are a cause of hepatocellular carcinoma (HCC) [MIM:114550].,Disease:Defects in MET are a cause of hereditary papillary renal carcinoma (HPRC) [MIM:605074]; also known as papillary renal cell carcinoma 2 (RCCP2). HPRC is a form of inherited kidney cancer characterized by a predisposition to develop multiple, bilateral papillary renal tumors. The pattern of inheritance is consistent with autosomal dominant transmission with reduced penetrance.,Disease:Defects in MET may be associated with gastric cancer.,Disease:Genetic variations in MET may be associated with susceptibility to autism type 9 (AUTS9) [MIM:611015]. Autism is a neurodevelopmental disorder characterized by disturbance in language, perception and socialization. The disorder is classically defined by a triad of limited or absent verbal communication, a lack of reciprocal social interaction or responsiveness, and restricted, stereotypical, and ritualized patterns of interests and behavior.,Domain:The kinase domain is involved in SPSB1 binding.,Function:Receptor for hepatocyte growth factor and scatter factor. Has a tyrosine-protein kinase activity. Functions in cell proliferation, scattering, morphogenesis and survival.,online information:C-MET entry,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 Sema domain.,similarity:Contains 3 IPT/TIG domains.,subunit:Heterodimer formed of an alpha chain (50 kDa) and a beta chain (145 kDa) which are disulfide linked. Binds PLXNB1 and GRB2. Interacts with SPSB1, SPSB2 and SPSB4 (By similarity). Interacts with INPP5D/SHIP1. When phosphorylated at Tyr-1356, interacts with INPPL1/SHIP2. Interacts with RANBP9 and RANBP10, as well as SPSB1, SPSB2, SPSB3 and SPSB4. SPSB1 binding occurs in the presence and in the absence of HGF, however HGF treatment has a positive effect on this interaction. Interacts with MUC20; prevents interaction with GRB2 and suppresses hepatocyte growth factor-induced cell proliferation.,

## | Validation Data



Observed band size: 90kDa



Immunofluorescence analysis of HEK293. Picture A: Met (Phospho Tyr1234/1235) antibody (red). Picture B: DAPI (blue). Picture C: Merge of A+B

## Contact information

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Please scan the QR code to access additional product information:  
**Met (Phospho Tyr1234/1235) (PT0745R) PT® Rabbit mAb**

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