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

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

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

Basic Information

Clonality	Monoclonal
Clone Number	PT0745R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary 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)

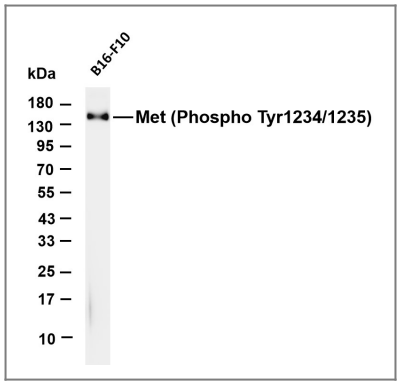
Organism	Gene ID	UniProt ID
Human	4233;	P08581;
Mouse		P16056;
Rat	24553;	P97523;

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

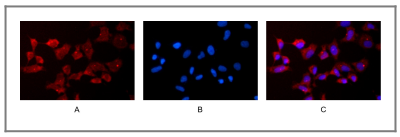
Tissue specificity Expressed in normal hepatocytes as well as in epithelial cells lining the stomach , the small and the large intestine. Found also in basal keratinocytes of esophagus and skin. High levels are found in liver , gastrointestinal tract , thyroid and kidney. Also present in the brain. Expressed 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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