



[Go to Product page](#)

Datasheet for ABIN745523

## anti-Ret Proto-Oncogene antibody (pTyr905)

### 2 Images

#### Overview

Quantity:	100 µL
Target:	Ret Proto-Oncogene (RET)
Binding Specificity:	pTyr905
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ret Proto-Oncogene antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Ret around the phosphorylation site of Tyr905
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Sheep,Pig,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

#### Target Details

Target:	Ret Proto-Oncogene (RET)
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## Target Details

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Alternative Name: Ret ([RET Products](#))

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Background: Synonyms: C ret, Cadherin family member 12, Cadherin related family member 16, CDHF 12, CDHF12, CDHR16, ELKS Fusion gene, HSCR 1, HSCR1, Hydroxyaryl protein kinase, MEN2A, MEN2B, MTC 1, MTC1, Multiple endocrine neoplasia and medullary thyroid carcinoma 1, Oncogene RET, Proto oncogene tyrosine protein kinase receptor ret, Proto-oncogene c-Ret, Proto-oncogene tyrosine-protein kinase receptor ret, PTC, RET, RET ELE1, Ret Proto oncogene, RET transforming sequence, RET\_HUMAN, RET51, RET9, tyrosine-protein kinase receptor ret. Background: Receptor tyrosine-protein kinase involved in numerous cellular mechanisms including cell proliferation, neuronal navigation, cell migration, and cell differentiation upon binding with glial cell derived neurotrophic factor family ligands. Phosphorylates PTK2/FAK1. Regulates both cell death/survival balance and positional information. Required for the molecular mechanisms orchestration during intestine organogenesis, involved in the development of enteric nervous system and renal organogenesis during embryonic life, and promotes the formation of Peyer's patch-like structures, a major component of the gut-associated lymphoid tissue. Modulates cell adhesion via its cleavage by caspase in sympathetic neurons and mediates cell migration in an integrin (e.g. ITGB1 and ITGB3)-dependent manner. Involved in the development of the neural crest. Active in the absence of ligand, triggering apoptosis through a mechanism that requires receptor intracellular caspase cleavage. Acts as a dependence receptor, in the presence of the ligand GDNF in somatotrophs (within pituitary), promotes survival and down regulates growth hormone (GH) production, but triggers apoptosis in absence of GDNF. Regulates nociceptor survival and size. Triggers the differentiation of rapidly adapting (RA) mechanoreceptors. Mediator of several diseases such as neuroendocrine cancers, these diseases are characterized by aberrant integrins-regulated cell migration.

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Gene ID: 5979

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Pathways: [RTK Signaling](#), [Dopaminergic Neurogenesis](#), [Regulation of Cell Size](#), [Tube Formation](#)

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## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200

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## Application Details

IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

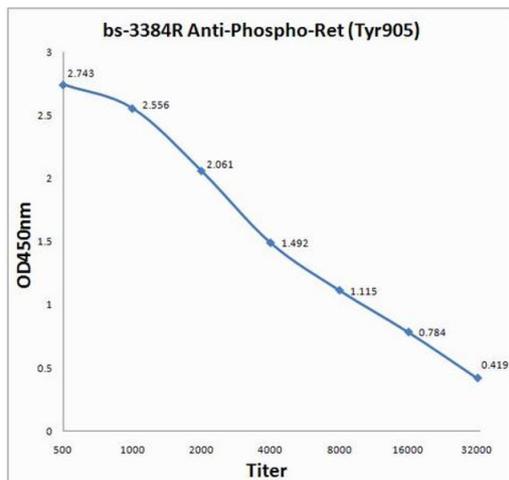
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

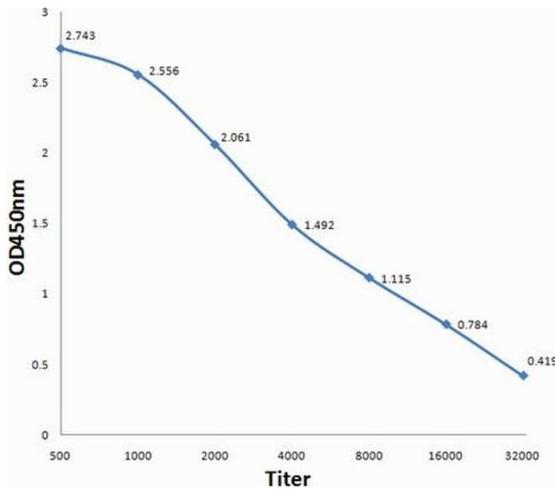
Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



## ELISA

**Image 2.** Antigen: 0.2ug/100ul, Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000, TMB staining, Read the data in MicroplateReader by 450nm