

Datasheet for ABIN7043600

## anti-Ret Proto-Oncogene antibody (Extracellular, N-Term)



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### 4 Images

#### Overview

Quantity:	25 µL
Target:	Ret Proto-Oncogene (RET)
Binding Specificity:	AA 541-553, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Ret Proto-Oncogene antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CEWRQGDGKGITR, corresponding to amino acid residues 541-553 of human Ret
Isotype:	IgG
Cross-Reactivity (Details):	This antibody will recognize the intact Ret receptor and the cleaved Ret extracellular cell-membrane anchored fragment. It won't recognize the cleaved Ret kinase fragment.
Characteristics:	Anti-Ret (extracellular) Antibody is directed against an extracellular epitope of human Ret. Anti-Ret (extracellular) Antibody (# (ABIN7043600, ABIN7044783 and ABIN7044784)) can be used in western blot, indirect flow cytometry, immunohistochemistry and immunocytochemistry applications and has been designed to recognize Ret from rat, mouse and human samples.

## Product Details

Purification: Affinity purified on immobilized antigen.

## Target Details

Target:	Ret Proto-Oncogene (RET)
Alternative Name:	Ret ( <a href="#">RET Products</a> )
Background:	Alternative names: Ret, Proto-oncogene tyrosine-protein kinase receptor Ret, Proto-oncogene c-Ret, Cadherin family member 12, CDHF12
Gene ID:	5979
NCBI Accession:	<a href="#">NM_020975</a>
UniProt:	<a href="#">P07949</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Tube Formation</a>

## Application Details

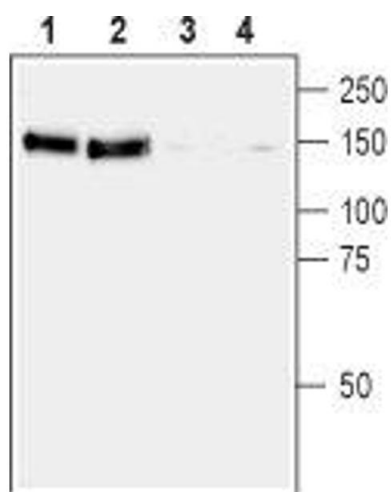
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and</p>

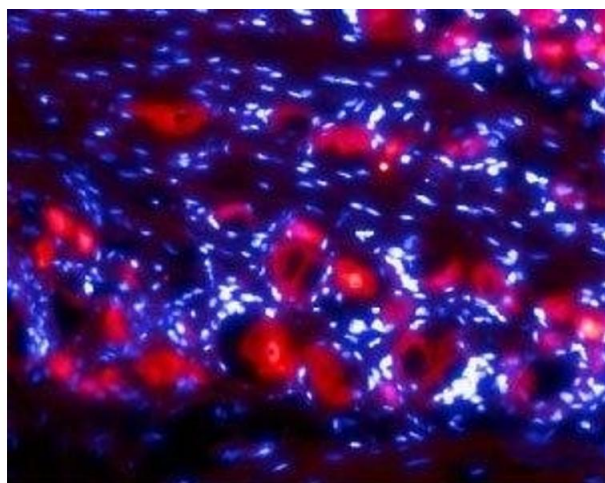
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

## Images



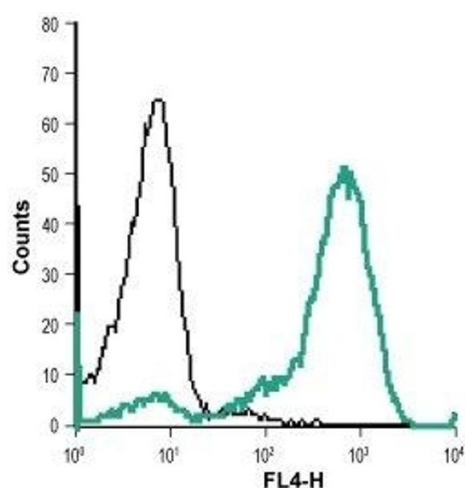
## Western Blotting

**Image 1.** Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain membranes: - 1,2. Anti-Ret (extracellular) Antibody (ABIN7043600, ABIN7044783 and ABIN7044784), (1:200).3,4. Anti-Ret (extracellular) Antibody, preincubated with Ret (extracellular) Blocking Peptide (#BLP-NT025).



## Immunohistochemistry

**Image 2.** Expression of Ret in rat DRG - Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-Ret (extracellular) Antibody (ABIN7043600, ABIN7044783 and ABIN7044784), (1:50). Ret staining (red) is detected in DRG neurons. Hoechst 33342 (blue) is used to stain cell nuclei.



## Flow Cytometry

**Image 3.** Cell surface detection of Ret in live intact human THP-1 monocytic leukemia cell line: (black line) Unstained cells + goat-anti-rabbit-AlexaFluor-647 secondary antibody. (green line) Cells + Anti-Ret (extracellular) Antibody (ABIN7043600, ABIN7044783 and ABIN7044784), (1:20) + goat-anti-rabbit-AlexaFluor-647 secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043600.