

Datasheet for ABIN6940507

anti-Ret Proto-Oncogene antibody (AA 702-848)



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	Ret Proto-Oncogene (RET)
Binding Specificity:	AA 702-848
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ret Proto-Oncogene antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 702-848) of human RET protein (exact sequence is proprietary)
Clone:	RET-2795
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Ret Proto-Oncogene (RET)
Alternative Name:	RET (RET Products)
Background:	The Ret proto-oncogene is structurally related to the growing family of tyrosine kinase

Target Details

transmembrane receptors and is involved in GDNF signaling. RET expression is reported in several regions of the central nervous system, in the developing cranial nerve ganglia and a subset of cells within dorsal root ganglia, in motor neurons in the spinal cord and hindbrain, in neuro-retina and the growing tips of the renal collecting ducts in developing kidney. Alterations in RET gene are associated with diseases including papillary thyroid carcinoma, multiple endocrine neoplasia (type 2A and 2B), familial medullary thyroid carcinoma, and a congenital developmental disorder known as Hirschsprung's disease.

Molecular Weight: 150kDa (precursor), 170kDa (Mature)

Gene ID: 5979

UniProt: [P07949](#)

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

Application Details

Application Notes: Positive Control: Breast, Prostate or Colon Carcinoma.

Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

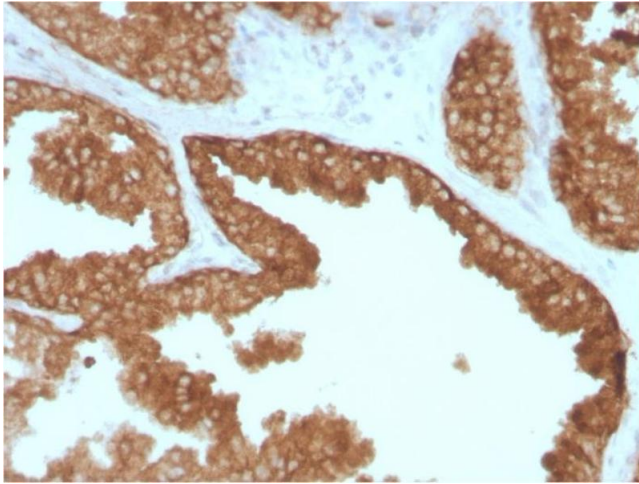
Preservative: Sodium azide

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

Storage: 4 °C, -80 °C

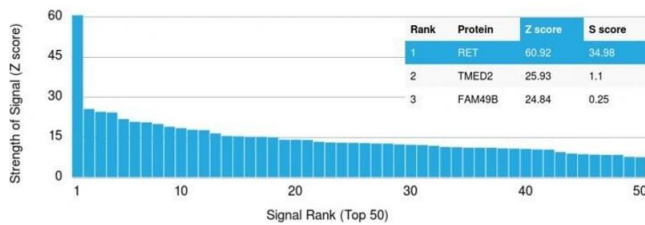
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



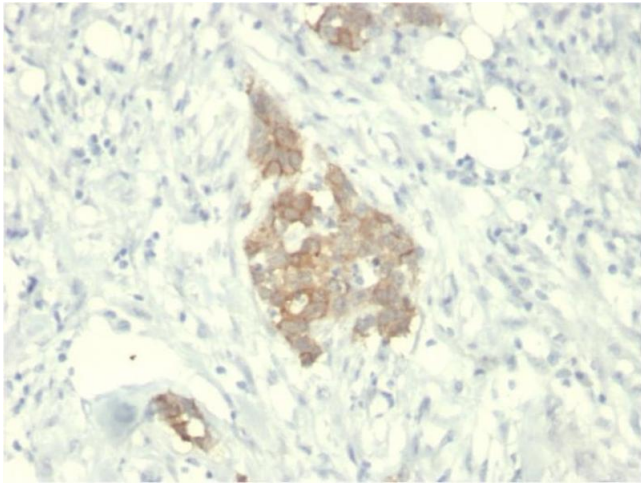
Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with RET Mouse Monoclonal Antibody (RET/2795).



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using RET Mouse Monoclonal Antibody (RET/2795). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with RET Mouse Monoclonal Antibody (RET/2795).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6940507.