# RET Proto-oncogene Antibody

Mouse Monoclonal Antibody [Clone RET/2795]

| Catalog No | Format | Size |
|---|---|---|
| 5979-MSM4-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 5979-MSM4-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 5979-MSM4-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

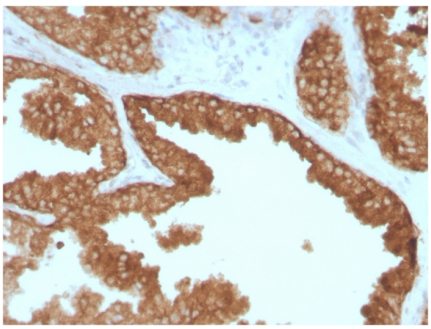
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

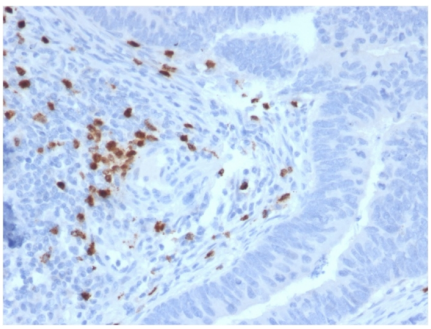
| | |
|---|---|
| **Clone** | RET/2795 |
| **Gene Name** | RET |
| **Immunogen** | Recombinant fragment (around aa 702-848) of human RET protein (exact sequence is proprietary) |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 150kDa (precursor); 170kDa (Mature) |
| **Cellular Localization** | Cell membrane, Endosome membrane |
| **Species Reactivity** | Human |
| **Positive Control** | Breast, Prostate or Colon Carcinoma. |

**Optimal dilution for a specific application should be determined.*

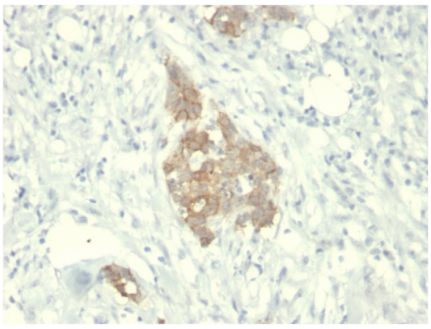
## Product Images for RET Proto-oncogene Antibody



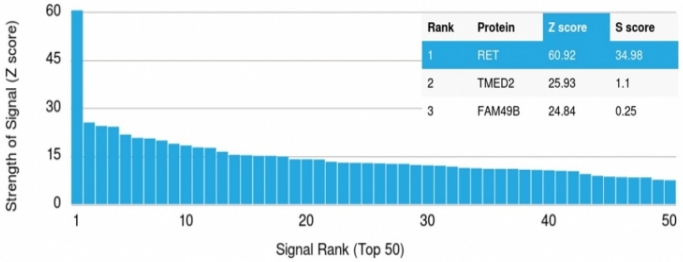
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with RET Mouse Monoclonal Antibody (RET/2795).



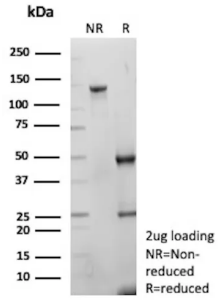
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with RET Mouse Monoclonal Antibody (RET/2795).



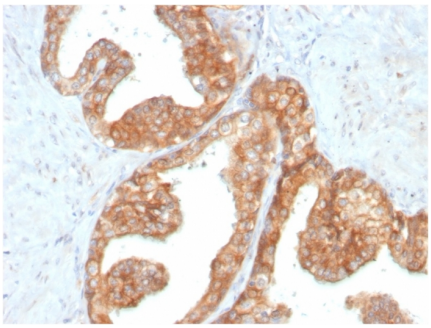
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with RET Mouse Monoclonal Antibody (RET/2795).




Analysis of Protein Array containing more than 19,000 full-length human proteinsusing 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 HuProtTM 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 HuProtTM 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.




SDS-PAGE Analysis Purified RET Mouse Monoclonal Antibody (RET/2795). Confirmation of Purity and Integrity of Antibody.



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

## Specificity & Comments

The Ret proto-oncogene is structurally related to the growing family of tyrosine kinase 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 RETgene 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.

## Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

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.

## Research Areas

Developmental Biology, Neuroscience, Signal Transduction, Transcription Factors

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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