

Product datasheet for **AM06194SU-N**

RET Mouse Monoclonal Antibody [Clone ID: 8D10C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	8D10C9
Applications:	WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of RET (aa896-1063) expressed in E. Coli.
Specificity:	Recognizes RET (ret proto-oncogene).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ret proto-oncogene
Database Link:	Entrez Gene 5979 Human P07949



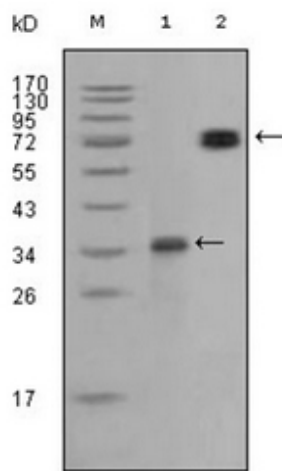
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Background:

RET (ret proto-oncogene) is a member of the cadherin superfamily and a receptor tyrosine kinase, which are cell-surface molecules that transduce signals for cell growth and differentiation. It can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Ligands that bind the Ret receptor include the glial cell line-derived neurotropic factor (GDNF) and its congeners neurturin, persephin and artemin. Alterations in the corresponding 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. The Tyr905 residue located in the Ret kinase domain plays a crucial role in Ret catalytic and biological activity. Substitution of Phe for Tyr905 dramatically inhibits Ret autophosphorylation activity.

Synonyms:

C-ret, CDHF12

Product images:

Western blot analysis using RET antibody Cat.-No AM06194SU-N against truncated RET recombinant protein (Lane 1) and RET (aa 658-1063)-hIgGFc transfected CHO-K1 cell lysate (Lane 2).