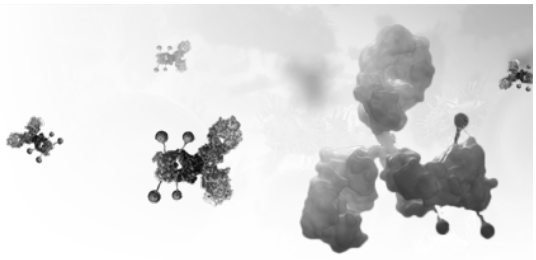

Anti-RET (aa 361-458) polyclonal antibody (DPAB-DC2691)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene, a member of the cadherin superfamily, encodes one of the receptor tyrosine kinases, which are cell-surface molecules that transduce signals for cell growth and differentiation. This gene plays a crucial role in neural crest development, and it can undergo oncogenic activation in vivo and in vitro by cytogenetic rearrangement. Mutations in this gene are associated with the disorders multiple endocrine neoplasia, type IIA, multiple endocrine neoplasia, type IIB, Hirschsprung disease, and medullary thyroid carcinoma. Two transcript variants encoding different isoforms have been found for this gene. Additional transcript variants have been described but their biological validity has not been confirmed.
Immunogen	RET (AAH03072, 361 a.a. ~ 458 a.a) partial recombinant protein with GST tag. The sequence is NLSISENRTMQLAVLVNDSDFQGPGAGVLLLHFNVSVLPVSLHLPSTYSLSVSRRARRFA QIGKVCVENCLADLTGDAVSGRDEARSSGLGSQKHPGS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	RET ret proto-oncogene [Homo sapiens (human)]
Official Symbol	RET
Synonyms	RET; ret proto-oncogene; PTC; MTC1; HSCR1; MEN2A; MEN2B; RET51; CDHF12; CDHR16; RET-ELE1; proto-oncogene tyrosine-protein kinase receptor Ret; proto-oncogene c-Ret; receptor tyrosine kinase; RET transforming sequence; cadherin family member 12; hydroxyaryl-protein kinase; cadherin-related family member 16; ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease);
Entrez Gene ID	5979
Protein Refseq	NP_065681
UniProt ID	P07949
Chromosome Location	10q11.2
Pathway	Endocytosis; Pathways in cancer; Signaling events regulated by Ret tyrosine kinase; Thyroid cancer
Function	ATP binding; calcium ion binding; protein binding; protein tyrosine kinase activity

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