#14556 Store at -20C

Ret (E1N8X) XP® Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IHC-P, IF-IC, FC- FP	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 150, 175	Source/Isotype: Rabbit IgG	UniProt ID: #P07949	Entrez-Gene Id 5979	
Product Usage Information	Ap	plication		Dilution			
	We	Western Blotting				1:1000	
	lmi	nunohistochemistry	(Paraffin)	1:250 - 1:1000			
	lmi	nunofluorescence (Immunocytochen	1:100 - 1:400			
	Flo	w Cytometry (Fixed	I/Permeabilized)	1:200 - 1:800			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20° C. Do not aliquot the antibody.					
	For	For a carrier free (BSA and azide free) version of this product see product #49887.					
Specificity / Sensit	Sensitivity Ret (E1N8X) XP® Rabbit mAb recognizes endogenous levels of				total Ret protein.		
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro320 of human Ret protein.					
Background	com that neu <i>RET</i> (typ Hirs Ret	The Ret proto-oncogene (c-Ret) is a receptor tyrosine kinase that functions as a multicomponent receptor complex in conjunction with other membrane-bound, ligand-binding GDNF family receptors (1). Ligands that bind the Ret receptor include the glial cell line-derived neurotrophic factor (GDNF) and its congeners neurturin, persephin, and artemin (2-4). Research studies have shown that alterations in the corresponding <i>RET</i> 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 (1,3). The Tyr905 residue located in the Ret kinase domain plays a crucial role in Ret catalytic and biological activity. Substitution of Phe for Tyr at position 905 dramatically inhibits Ret autophosphorylation activity (5).					
Background Refere	 Airaksinen, M.S. et al. (1999) Mol Cell Neurosci 13, 313-25. Takahashi, M. et al. (1989) Oncogene 4, 805-6. Manié, S. et al. (2001) Trends Genet 17, 580-9. Tallini, G. and Asa, S.L. (2001) Adv Anat Pathol 8, 345-54. Iwashita, T. et al. (1999) Oncogene 18, 3919-22. 						

Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS,

0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin)

IF-IC: Immunofluorescence (Immunocytochemistry) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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1/1/24, 11:26 AM **Limited Uses**

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