ARG10590
anti-Trypsin antibody [A16-N]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [A16-N] recognizes Trypsin
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Monoclonal
Clone	A16-N
Isotype	IgG
Target Name	Trypsin
Species	Human
Immunogen	Synthetic peptide around the N-terminus of Human pancreatic cationic trypsin
Conjugation	Un-conjugated
Alternate Names	Trypsin I; TRY4; TRY1; Serine protease 1; EC 3.4.21.4; Cationic trypsinogen; Trypsin-1; TRYP1; TRP1; Beta-trypsin

Application Instructions

Application table

Application	Dilution
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

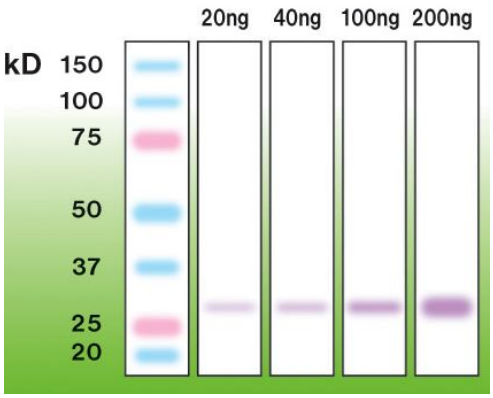
Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 10 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	10 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 5644 Human
	Swiss-port # P07477 Human
Gene Symbol	PRSS1
Gene Full Name	protease, serine, 1 (trypsin 1)
Background	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. [provided by RefSeq, Jul 2008]
Function	Has activity against the synthetic substrates Boc-Phe-Ser-Arg-Mec, Boc-Leu-Thr-Arg-Mec, Boc-Gln-Ala-Arg-Mec and Boc-Val-Pro-Arg-Mec. The single-chain form is more active than the two-chain form against all of these substrates. [UniProt]
Calculated Mw	27 kDa
PTM	Occurs in a single-chain form and a two-chain form, produced by proteolytic cleavage after Arg-122. Sulfation at Tyr-154 increases selectivity towards basic versus apolar residues at the P2' position of inhibitors that bind in a substrate-like fashion. Although the increase in selectivity is relatively small, it may facilitate digestion of a broader range of dietary proteins.

Images



ARG10590 anti-Trypsin antibody [A16-N] WB image

Western blot: 20 ng, 40 ng, 100 ng, and 200 ng of Human trypsin stained with ARG10590 anti-Trypsin antibody [A16-N].