Datasheet for ABIN904207

anti-Kallikrein 9 antibody (AA 51-150) (Alexa Fluor 647)

Go to Product page

Overview

Quantity:	100 µL
Target:	Kallikrein 9 (KLK9)
Binding Specificity:	AA 51-150
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kallikrein 9 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KLK9
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Kallikrein 9 (KLK9)
Alternative Name:	Klk9 (KLK9 Products)

Target Details

Background:	Synonyms: Kallikrein 8, Kallikrein 9, Kallikrein L3, Kallikrein Like 3, Kallikrein like protein 3, kallikrein related peptidase 9, Kallikrein-9, Kallikrein-like protein 3, Kallikrein8, Kallikrein9, KLK 8, KLK 9, KLK L3, KLK-L3, KLK8, KLK9, KLK9_HUMAN, KLKL 3, KLKL3. Background: Kallikrein 9, also known as Kallikrein-Like 3 (KLK-L3), is a chymotrypsin-like serine proteinase. Kallikrein 9 was discovered as the locus for kallikreins on chromosome 19 was more fully mapped and found by similarity to the other tissue kallikreins. Kallikrein 9 has been found in the ovary, thymus, testis, prostate, skin, breast and neuronal tissues and is made by many cell lines in culture. Kallikrein 9 levels in breast cancer and uterine cancer patients have been reported to drop as the disease progresses, thus hK9 might be considered a favorable prognostic marker. Different splice variants of hK9 have been reported, although it is not yet known if they produce functional proteins. The full length Kallikrein 9 encodes for a 250 amino acid protein, with a predicted mass of 27.5 kDa and a pI of 7.53. The 234 amino acid form predicts a protein of 26 kDa with a pI of 9.76 and this quite basic pI might give the shorter form a very different function or localization. The shorter sequence also diverges before the catalytic serine residue, making it unlikely to be proteolytically active. Pre-pro-kallikrein 9 has the 17 amino acid signal sequence is removed before secretion, and the Pro-kallikrein 9 is activated to Kallikrein 9 by removal of the 5 amino acid propeptide domain.
Gene ID:	284366
Pathways:	Complement System

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months