antibodies -online.com





anti-TMPRSS4 antibody (Internal Region)

3 Images



Go to Product page

_						
0	V	0	r٧	/[Θ	M

Quantity:	50 μg	
Target:	TMPRSS4	
Binding Specificity:	Internal Region	
Reactivity:	Human, Monkey	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Brand:	IHC-plus™	
Immunogen:	Synthetic 19 amino acid peptide from internal region of human TMPRSS4. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Marmoset (100%), Gorilla, Orangutan (95%), Dog, Horse (89%), Hamster, Elephant, Panda, Pig (84%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human TMPRSS4. BLAST analysis of the peptide immunogen showed no homology with other human proteins.	
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Marmoset (100%) Gorilla, Orangutan (95%) Dog, Horse (89%) Hamster, Elephant, Panda, Pig (84%).	
Purification:	Immunoaffinity purified	

Target Details

-				
Target:	TMPRSS4			
Alternative Name:	TMPRSS4 (TMPRSS4 Products)			
Background:	Name/Gene ID: TMPRSS4			
	Subfamily: Serine S1			
	Family: Protease			
	Synonyms: TMPRSS4, CAPH2, Channel-activating protease 2, MT-SP2			
Gene ID:	56649			
Application Details				
Application Notes:	Approved: IHC, IHC-P (5 μg/mL)			
	Usage: Antigen retrieval with HIER and sodium citrate at pH 6.0 is required for			
	Immunohistochemistry using formalin-fixed paraffin-embedded human tissues.			
Comment:	Target Species of Antibody: Human			
Assay Procedure:	The IHC-pro Immunohistochemistry Protocol			
	Tissue Preparation			
	Formalin fixation and embedding in paraffin wax			
	Tissue Sectioning			
	Make 4-µm sections and place on pre-cleaned and charged microscope slides.			
	Heat in a tissue-drying oven for 45 minutes at 60°C			
	Deparaffinization			
	Wash slides in 3 changes of xylene – 5 minutes each at room temperature.			
	Rehydration			
	Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.			
	Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.			
	Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.			
	Rinse slides in gentle running distilled water – 5 minutes at room temperature.			

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block - 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate - 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene - 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

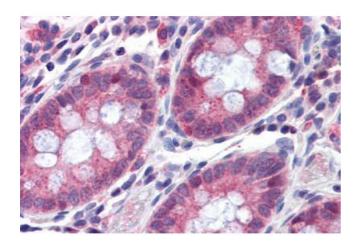
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

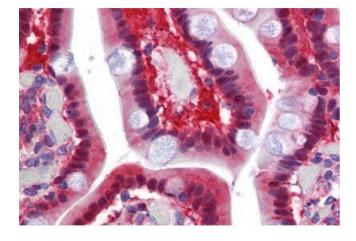
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



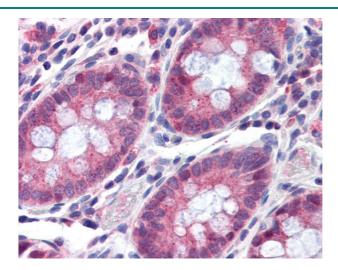
Immunohistochemistry

Image 1. Anti-TMPRSS4 antibody ABIN1049419 IHC staining of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-TMPRSS4 antibody ABIN1049419 IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 3. Anti-TMPRSS4 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.