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Datasheet for ABIN1049421

anti-TNIK antibody (Internal Region)

2 Images



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Quantity:	50 μg	
Target:	TNIK	
Binding Specificity:	Internal Region	
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Cow, Monkey, Bat, Chicken, Hamster	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TNIK antibody is un-conjugated	
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)	

Product Details

Brand:	IHC-plus™	
Immunogen:	Synthetic 18 amino acid peptide from internal region of human TNIK. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Opossum, Chicken, Lizard (100%), Xenopus (94%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human TNIK. BLAST analysis of the peptide immunogen showed no homology with other human proteins.	
Predicted Reactivity:	Reactivity: Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey,	

Product Details

Product Details		
	Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Bovine, Dog, Bat, Horse, Rabbit, Opossum,	
	Chicken, Lizard (100%) Xenopus (94%).	
Purification:	Immunoaffinity purified	
Target Details		
Target:	TNIK	
Alternative Name:	TNIK (TNIK Products)	
Background:	Name/Gene ID: TNIK	
	Subfamily: MSN	
	Family: Protein Kinase	
	Synonyms: TNIK, ZC2, KIAA0551	
Gene ID:	23043	
Application Details		
Application Notes:	Approved: ICC, IHC, IHC-P (2 μg/mL)	
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

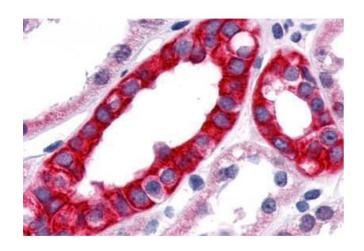
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide

Handling

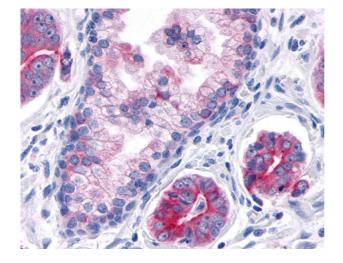
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-TNIK antibody ABIN1049421 IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-TNIK antibody IHC of human Prostate, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.