

Product Datasheet

MARK2 [p Thr595] Antibody - BSA Free NBP1-78028

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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NBP1-78028

MARK2 [p Thr595] Antibody - BSA Free

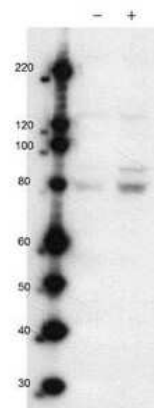
Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>MARK2 [p Thr595] affinity purified antibody is directed against the phosphorylated form of human MARK2 at the [p Thr595] residue. The product was affinity purified from monospecific antiserum by immunoaffinity chromatography. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
Host	Rabbit
Gene ID	2011
Gene Symbol	MARK2
Species	Human
Reactivity Notes	A BLAST analysis was used to suggest reactivity with this protein from human, dog, bovine, mouse and rat sources based on 100% homology for the immunogen sequence. Cross reactivity with MARK2 homologues from other sources has not been determined.
Specificity/Sensitivity	MARK2 pT595 affinity purified antibody is directed against the phosphorylated form of human MARK2 at the pT595 residue. The resultant affinity purified antibody was then cross-adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human MARK2 pT595 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated human MARK2 is minimal by ELISA. Expect at least partial reactivity with other isoforms of MARK. The immunogen sequence is present in all forms identified to date and localizes to T595 on MARK2, T587 on MARK3, T591 on MARK1 and T568 on MARK4. A BLAST analysis was used to suggest reactivity with this protein from human, dog, bovine, mouse and rat sources based on 100% homology for the immunogen sequence. Cross reactivity with MARK2 homologues from other sources has not been determined.
Immunogen	This affinity purified MARK2 [p Thr595] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids surrounding T595 of Human MARK2 isoform a. The immunogen peptide was phosphorylated at the residue corresponding to T595. (Uniprot: Q7KZI7)



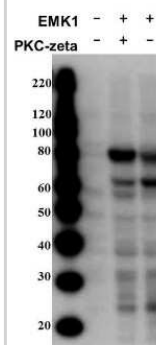
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:250-1:1000, ELISA 1:1000-1:3000, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	This product has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 83 kDa corresponding to MARK2 by western blotting in the appropriate cell lysate or extract.

Images

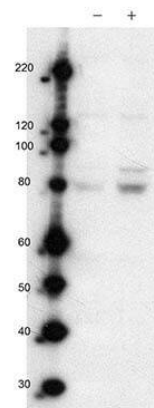
Western Blot: MARK2 [p Thr595] Antibody [NBP1-78028] - Lane 1: wild type Jurkat cells. Lane 2: wild type Jurkat cells stimulated with CD3/CD28 (T-cell receptor stimulation). Load: 35 ug per lane. Used at a dilution of 1:500 for overnight at 4C.



Western Blot: MARK2 [p Thr595] Antibody [NBP1-78028] - Lane 1: 293T cells untransfected. Lane 2: 293T cells transfected with MARK2 and PKC-zeta. Lane 3: 293T cells transfected with MARK2. Load: 35 ug per lane. Used at a dilution of 1:1000 for overnight at 4C.



Western Blot of Rabbit MARK2 [p Thr595] Antibody antibody. Lane 1: wild type Jurkat cells. Lane 2: wild type Jurkat cells stimulated with CD3/CD28 (T-cell receptor stimulation). Load: 35 ug per lane. Primary antibody: MARK2 pT595 antibody at 1:500 for overnight at 4C. Secondary antibody: IRDye800(TM) rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4C. Predicted/Observed size: ~83 kDa for MARK2pT595.



Publications

Haiqi Chen, Xiang Xiao, Wing-yee Lui, Will M. Lee, C. Yan Cheng Vangl2 regulates spermatid planar cell polarity through microtubule (MT)-based cytoskeleton in the rat testis Cell Death & Disease 2018-03-01 [PMID: 29497043]



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Products Related to NBP1-78028

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84848PEP	MARK2 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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