Product Datasheet

Kv7.1 Antibody
NBP1-30119

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 1

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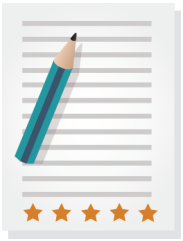
Updated 9/9/2025 v.20.1



NBP1-30119

Kv7.1 Antibody

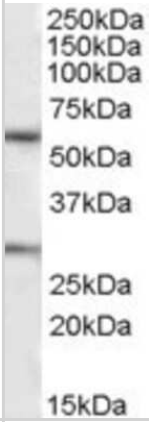
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat Kv7.1 Antibody (NBP1-30119) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Kv7.1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	3784
Gene Symbol	KCNQ1
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_000209.2; NP_861463.1).
Immunogen	Peptide with sequence C-EQLTVPRRGPDEGS corresponding to C-Terminus according to NP_861463.1.

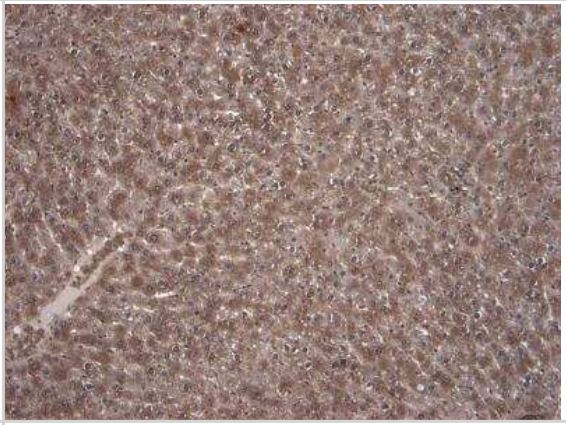
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Peptide ELISA, Control
Recommended Dilutions	Western Blot 1.0 - 3.0 ug/ml, Immunohistochemistry 6.0 - 8.0 ug/ml, Peptide ELISA Detection limit 1:16000, Control
Application Notes	WB: Approx. 60 kDa band observed in human heart lysates (calculated MW of 61.5 kDa band according to NP_861463.1). An additional band of unknown identity was also consistently observed at 28 kDa. This band was successfully blocked by incubation with the immunizing peptide.

Images

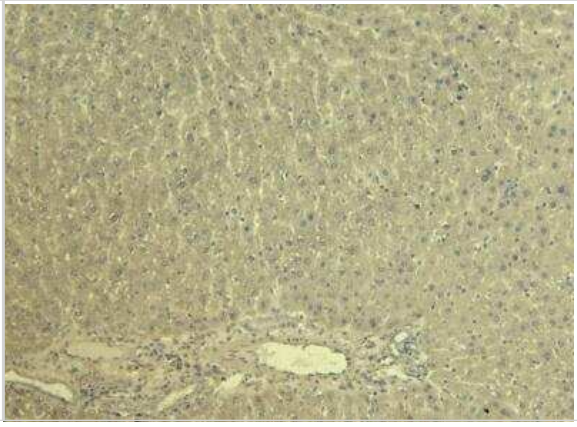
Western Blot: Kv7.1 Antibody [NBP1-30119] - Analysis of Kv7.1 in Human Heart lysate (35ug protein in RIPA buffer) using NBP1-30119 at 1 ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry: Kv7.1 Antibody [NBP1-30119] - (8ug/ml) staining of paraffin embedded Rat Liver. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



Control: Kv7.1 Antibody [NBP1-30119] - Negative Control showing staining of paraffin embedded Rat Liver, with no primary antibody.



Publications

Yasuda K, Miyake K, Horikawa Y et al. Variants in KCNQ1 are associated with susceptibility to type 2 diabetes mellitus. Nat Genet 2008-08-17 [PMID: 18711367]

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Products Related to NBP1-30119

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-31876PEP	Kv7.1 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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