KV8.2 Rabbit pAb

CatalogNo: YT2515

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB,IHC

MW
- 62kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human KCNV2. AA range:187-236
Specificity	KV8.2 Polyclonal Antibody detects endogenous levels of KV8.2 protein.

Target Information

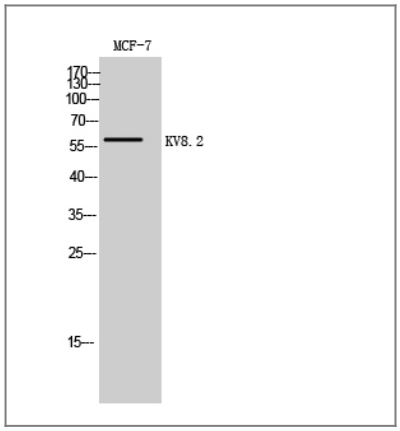
Gene name	KCNV2

Protein Name	Potassium voltage-gated channel subfamily V member 2

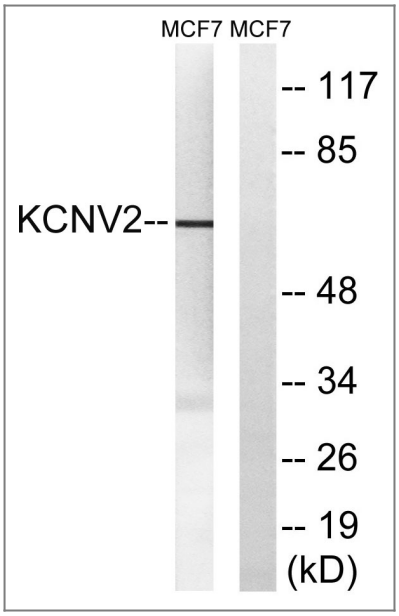
Organism	Gene ID	UniProt ID
Human	169522;	Q8TDN2;
Mouse	240595;	Q8CFS6;

Cellular Localization	Cell membrane; Multi-pass membrane protein. Has to be associated with KCNB1 or possibly another partner to get inserted in the plasma membrane. Remains intracellular in the absence of KCNB1.
Tissue specificity	Detected in lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary and colon.
Function	Disease:Defects in KCNV2 are the cause of cone dystrophy retinal type 3B (RCD3B) [MIM:610356]; also called cone dystrophy with night blindness and supernormal rod responses KCNV2-related. RCD3B is a rare form of cone dystrophy associated with supernormal rod responses. The disorder is characterized by reduced visual acuity, photoaversion, night blindness, and abnormal color vision. At an early age, the retina shows subtle depigmentation at the macula and, later, more obvious areas of atrophy.,Domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,Function:Potassium channel subunit. Modulates channel activity by shifting the threshold and the half-maximal activation to more negative values.,similarity:Belongs to the potassium channel family. V subfamily.,subcellular location:Has to be associated with KCNB1 or possibly another partner to get inserted in the plasma membrane. Remains intracellular in the absence of KCNB1.,subunit:Heteromultimer with KCNB1, KCNC1 and KCNF1. Does not form homomultimers.,tissue specificity:Detected in lung, liver, kidney, pancreas, spleen, thymus, prostate, testis, ovary and colon.,

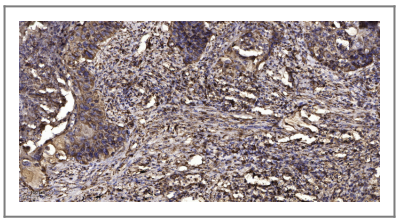
Validation Data



Western Blot analysis of MCF-7 cells using KV8.2 Polyclonal Antibody



Western blot analysis of lysates from MCF-7 cells, using KCNV2 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

Orders:	order@immunoway.com
Support:	tech@immunoway.com
Telephone:	877-594-3616 (Toll Free), 408-747-0185
Website:	http://www.immunoway.com
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
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