

Product Name: KD-Validated Hippocalcin Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01558

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 22.4kDa

Antigen Information

Gene Name	HPCA
Alternative Names	HPCA; Hippocalcin; Neuron-Specific Calcium-Binding Protein Hippocalcin; Dystonia 2, Torsion (Autosomal Recessive); Calcium-Binding Protein BDR-2; BDR2; DYT2
Gene ID	3208.0
SwissProt ID	P84074
Immunogen	A synthesized peptide derived from human Hippocalcin

Background

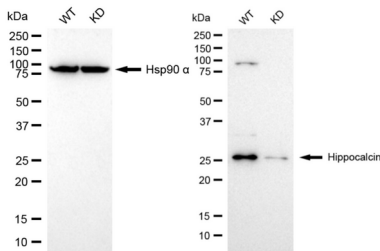
The protein encoded by this gene is a member of neuron-specific calcium-binding proteins family found in the retina and brain. This protein is associated with the plasma membrane. It has similarities to proteins located in the photoreceptor cells that regulate photosignal transduction in a calcium-sensitive manner. This protein displays recoverin activity and a calcium-

dependent inhibition of rhodopsin kinase. It is identical to the rat and mouse hippocalcin proteins and thought to play an important role in neurons of the central nervous system in a number of species. [provided by RefSeq, Jul 2008]

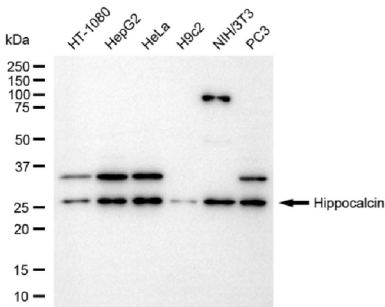
Research Area

Neuroscience

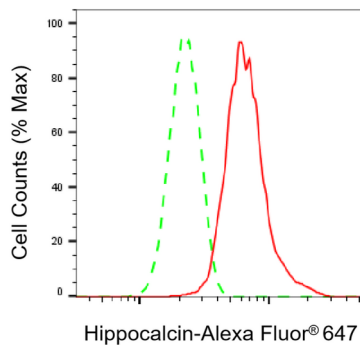
Image Data



Western blotting analysis using hippocalcin antibody (KVA01558). Hippocalcin expression in wild-type (WT) and hippocalcin (HPCA) knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with hippocalcin antibody (KVA01558, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using hippocalcin antibody (KVA01558). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with hippocalcin antibody (KVA01558, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of Hippocalcin expression in HepG2 cells using Hippocalcin antibody (KVA01558, 1:2,000). Green, isotype control; red, Hippocalcin.