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PRODUCT DATASHEET

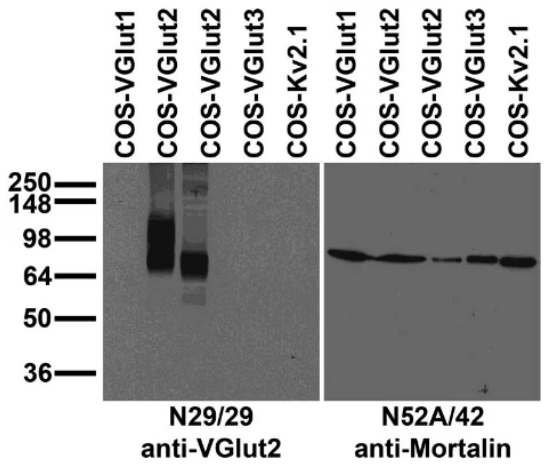
Anti-VGlut2 Antibody

Product Details

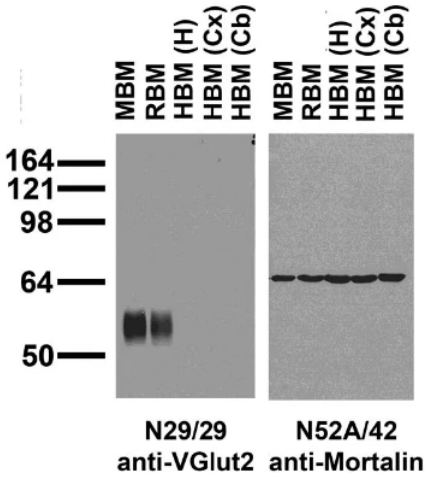
Available Variants	100 µL (SKU:75-067) 20 µL (SKU:75-067-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N29/29
Gene Name	Slc17a6 Dnpi Vglut2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:400 IHC: 1:1000 ICC: 1:1000
Species Reactivity	Chicken, Electric Ray, Human, Mouse, Rat
Immunogen	Fusion protein amino acids 501-582 (cytoplasmic C-terminus) of rat VGlut2 (accession number Q9JI12) produced recombinantly in E. Coli
Specificity	Does not cross-react with VGlut1 or VGlut3
Molecular Weight	60 kDa

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2239153
UniProt ID	Q9JI12
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

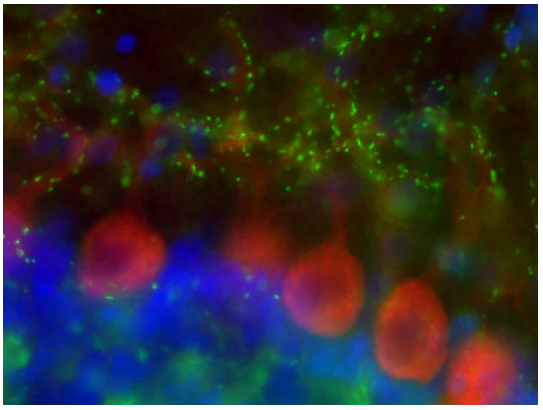
Product Images



Transfected cell immunoblot: extracts of COS cells transiently transfected with untagged VGlut1, VGlut2, VGlut3 or Kv2.1 plasmid and probed with N29/29 (left) or N52A/42 (right) TC supe.



Immunoblot versus crude brain membranes from adult mouse (MBM), rat (RBM) and human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] and cerebellum [HBM(Cb)] probed with N29/29 (left) and N52A/42 (right) TC supe.



Immunofluorescence staining of adult rat cerebellum with N29/29 (green), N326D/2 (red) and Hoechst nuclear stain (blue).