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Anti-mGLUR8 Antibody

Catalog # AP51249

Product Information

Application	WB, IHC
Primary Accession	O00222
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101741

Additional Information

Gene ID	2918
Other Names	GPRC1H; MGLUR8; Metabotropic glutamate receptor 8; mGluR8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human mGLUR8. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

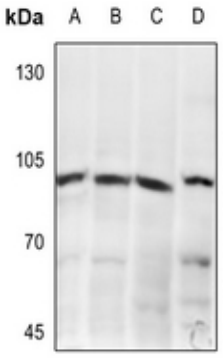
Name	GRM8
Synonyms	GPRC1H, MGLUR8
Function	G protein-coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.
Cellular Location	Cell membrane; Multi-pass membrane protein.

References

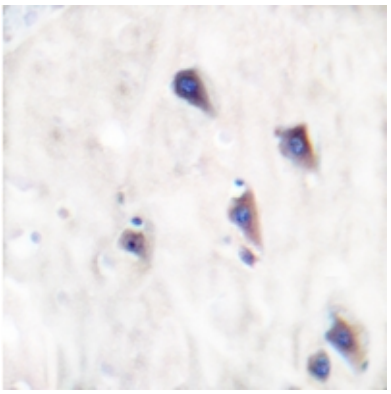
Scherer S.W.,et al.Genomics 44:232-236(1997).
Wu S.,et al.Brain Res. Mol. Brain Res. 53:88-97(1998).
Malherbe P.,et al.Brain Res. Mol. Brain Res. 67:201-210(1999).

Stormann T.M.,et al.Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of mGLUR8 expression in HCT116 (A), HepG2 (B), Hela (C), AML12 (D) whole cell lysates. (Predicted band size: 101 kD; Observed band size: 102 kD)



Immunohistochemical analysis of mGLUR8 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.