



ABHD12 Polyclonal Antibody

Catalog No	YP-Ab-02451
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	ABHD12
Immunogen	The antiserum was produced against synthesized peptide derived from human ABHD12. AA range:231-280
Specificity	ABHD12 Polyclonal Antibody detects endogenous levels of ABHD12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ABHD12A;BEM46L2;C20orf22;ABHD12;Monoacylglycerol lipase ABHD12;2-arachidonoylglycerol hydrolase;Abhydrolase domain-containing protein 12
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass membrane protein .
Tissue Specificity	Cerebellum,Kidney,Ovarian carcinoma,Pancreas,Testis,
Function	catalytic activity:Hydrolyzes glycerol monoesters of long-chain fatty acids., function:Has 2-arachidonoylglycerol hydrolase activity (By similarity). May be a regulator of endocannabinoid signaling pathways.,PTM:Glycosylated., similarity:Belongs to the serine esterase family.,
Background	This gene encodes an enzyme that catalyzes the hydrolysis of 2-arachidonoyl glycerol (2-AG), the main endocannabinoid lipid transmitter that acts on cannabinoid receptors, CB1 and CB2. The endocannabinoid system is involved in a wide range of physiological processes, including neurotransmission, mood, appetite, pain appreciation, addiction behavior, and inflammation. Mutations in this gene are associated with the neurodegenerative disease, PHARC



(polyneuropathy, hearing loss, ataxia, retinitis pigmentosa, and cataract), resulting from an inborn error of endocannabinoid metabolism. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jan 2011],

matters needing attention

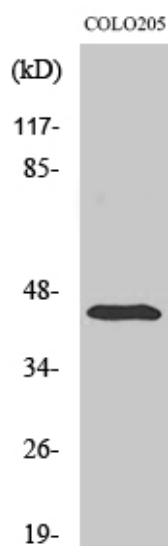
Avoid repeated freezing and thawing!

Usage suggestions

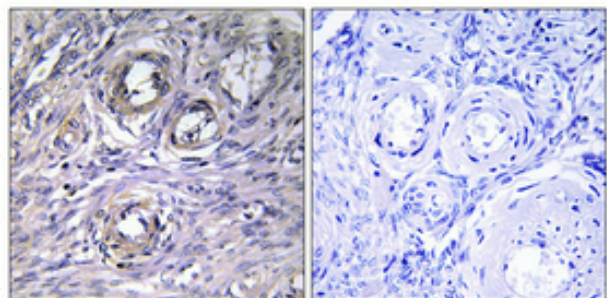
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



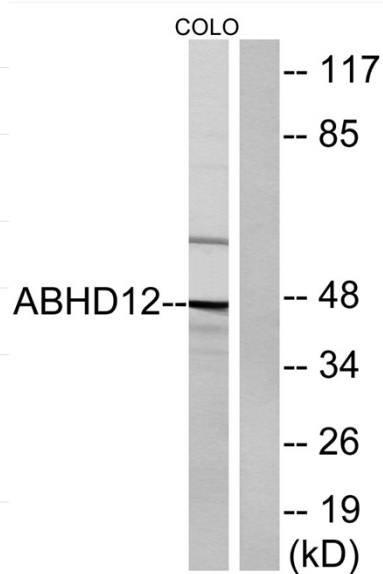
Products Images



Western Blot analysis of various cells using ABHD12 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human ovary. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from COLO cells, using ABHD12 Antibody. The lane on the right is blocked with the synthesized peptide.