



# ABHD12 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-02451
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	ABHD12
<b>Protein Name</b>	Monoacylglycerol lipase ABHD12
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ABHD12. AA range:231-280
<b>Specificity</b>	ABHD12 Monoclonal Antibody detects endogenous levels of ABHD12 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ABHD12; C20orf22; Monoacylglycerol lipase ABHD12; 2-arachidonoylglycerol hydrolase; Abhydrolase domain-containing protein 12
<b>Observed Band</b>	45kD
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Single-pass membrane protein .
<b>Tissue Specificity</b>	Cerebellum,Kidney,Ovarian carcinoma,Pancreas,Testis,
<b>Function</b>	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.,
<b>Background</b>	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],



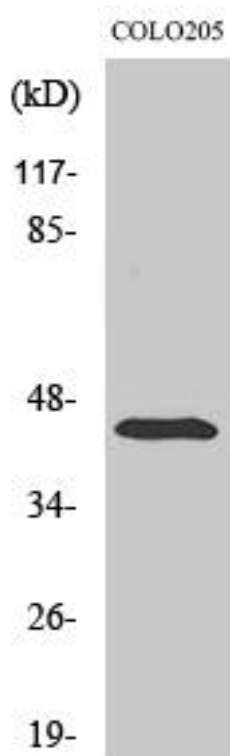
**matters needing attention**

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 Monoclonal Antibody