



# ABHD12 Monoclonal Antibody

Catalog No	BYmab-02451
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ABHD12
Protein Name	Monoacylglycerol lipase ABHD12
Immunogen	The antiserum was produced against synthesized peptide derived from human ABHD12. AA range:231-280
Specificity	ABHD12 Monoclonal Antibody detects endogenous levels of ABHD12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ABHD12; C20orf22; Monoacylglycerol lipase ABHD12; 2-arachidonoylglycerol hydrolase; Abhydrolase domain-containing protein 12
Observed Band	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

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(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],

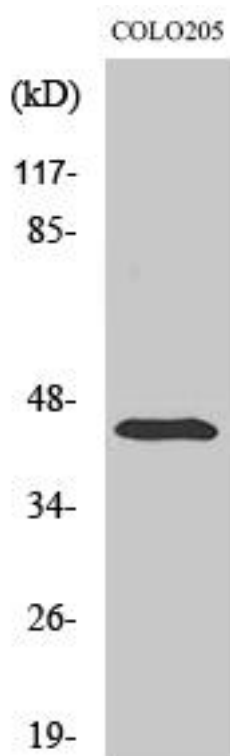
**matters needing attention**

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