



# ABHD12 rabbit pAb

Cat No.:ES1571

For research use only

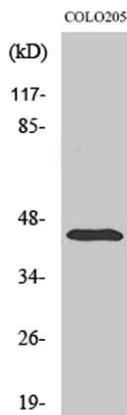
## Overview

<b>Product Name</b>	ABHD12 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ABHD12. AA range:231-280
<b>Specificity</b>	ABHD12 Polyclonal 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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Monoacylglycerol lipase ABHD12
<b>Gene Name</b>	ABHD12
<b>Cellular localization</b>	Endoplasmic reticulum membrane ; Single-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	45kD
<b>Human Gene ID</b>	26090
<b>Human Swiss-Prot Number</b>	Q8N2K0
<b>Alternative Names</b>	ABHD12; C20orf22; Monoacylglycerol lipase ABHD12; 2-arachidonoylglycerol hydrolase; Abhydrolase domain-containing protein 12
<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

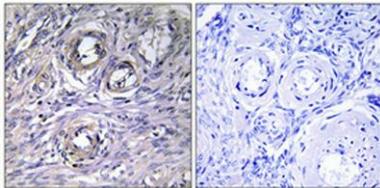




cannabinoid receptors, CB1 and CB2. The endocannabinoid system is involved in a wide range of physiological processes, including neurotransmission, mood, appetite, pain appreciation, addiction behavior, and inflammation. Mutations in this gene are associated with the neurodegenerative disease, PHARC (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],



Western Blot analysis of various cells using ABHD12 Polyclonal Antibody

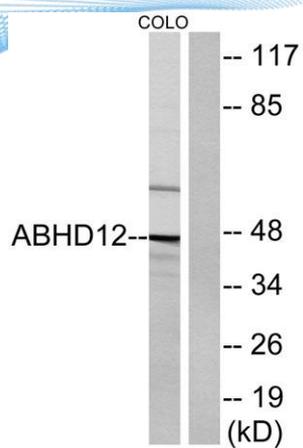


Immunohistochemical analysis of paraffin-embedded Human ovary. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by i





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



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