



ABHD7 rabbit pAb

Cat No.:ES1574

For research use only

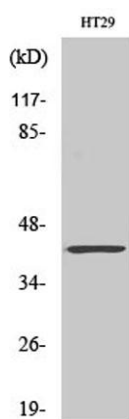
Overview

Product Name	ABHD7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ABHD7. AA range:101-150
Specificity	ABHD7 Polyclonal Antibody detects endogenous levels of ABHD7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Epoxide hydrolase 4
Gene Name	EPHX4
Cellular localization	Membrane ; Single-pass type II membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	42kD
Human Gene ID	253152
Human Swiss-Prot Number	Q8IUS5
Alternative Names	EPHX4; ABHD7; EPHXRP; Epoxide hydrolase 4; Abhydrolase domain-containing protein 7; Epoxide hydrolase-related protein
Background	The α/β hydrolase superfamily comprise diverse members that are involved in important biochemical processes and related to various diseases. They have unrelated sequences, various substrates, and different kinds of catalytic activities, yet they share

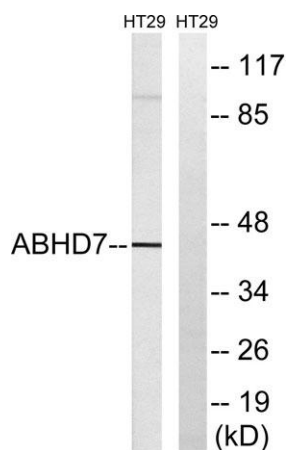




the same canonical α/β hydrolase fold, which consists of an eight-stranded parallel α/β structure. They are also characterized by a catalytic triad composed of a histidine, an acid and a nucleophile. Members of this superfamily are often drug targets for treating diseases, such as diabetes, Alzheimer's disease, obesity and blood clotting disorders. The Ab hydrolase domain containing (ABHD) gene subfamily is comprised of 15 mostly uncharacterized members, most of which utilize a serine nucleophile to form the G-X-S-X-G nucleophile elbow. ABHD7 is a 362 amino acid single-pass type II membrane protein that belongs to the AB hydrolase superfamily and the Epoxide hydrolase family.



Western Blot analysis of various cells using ABHD7 Polyclonal Antibody diluted at 1:500

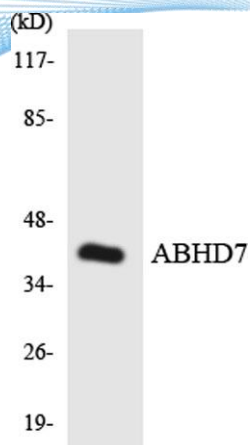


Western blot analysis of lysates from HT-29 cells, using ABHD7 Antibody. The lane on the right is blocked with the synthesized peptide.





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Western blot analysis of the lysates from HeLa cells using ABHD7 antibody.



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