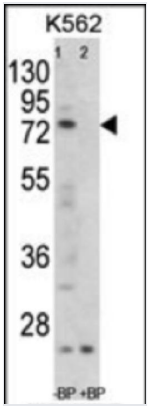
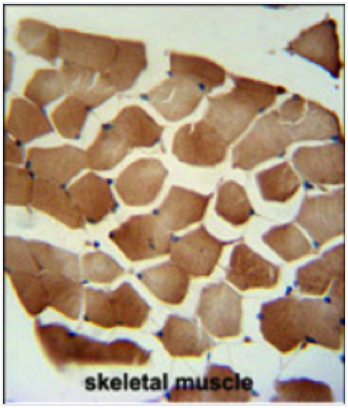
FLCN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FLCN, Polyclonal Antibody
Full Product Name	FLCN, CT (Folliculin, Birt-Hogg-Dube Syndrome Protein, BHD Skin Lesion Fibrofolliculoma Protein, BHD) (Azide free) (HRP)
Product Gene Name	anti-FLCN antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human FLCN.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	64,473 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (17115523..17140502, complement). Location: 17p11.2
OMIM	AF517523 mRNA
3D Structure	ModBase 3D Structure for Q8NFG4
Immunogen	Synthetic peptide selected from the C-terminal region of human FLCN (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-FLCN antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-FLCN antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-FLCN antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FLCN antibody	MBS6476735 is an antibody targeting FLCN. Also known as FLCN, CT (Folliculin, Birt-Hogg-Dube Syndrome Protein, BHD Skin Lesion Fibrofolliculoma Protein, BHD) (Azide free) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FLCN antibody	1. Khoo, S.K., et.al., J. Med. Genet. 39(12), 906-912 (2002). 2. Shin, J.H., et.al., J. Med. Genet. 40(5), 364-367 (2003).
Other Notes	Small volumes of anti-FLCN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-FLCN antibody
Western blot analysis MBS623543 pre-incubated without (lane 1) and with(lane 2) blocking peptide in K562 cell line lysate. FLCN (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-FLCN antibody
F5730-01 immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FLCN. It may not necessarily be applicable to this product.

NCBI GI #	22907034
NCBI GeneID	201163
NCBI Accession #	NP_659434.2
UniProt Primary Accession #	Q8NFG4
UniProt Secondary Accession #	Q6ZRX1; Q96BD2; Q96BE4; A6NJJ8
UniProt Related Accession #	Q8NFG4
GenBank Nucleotide #	NM_144997.5
NCBI Official Full Name	folliculin isoform 1
NCBI Official Synonym Full Names	folliculin
NCBI Official Symbol	FLCN
NCBI Official Synonym Symbols	BHD; FLCL
UniProt Protein Name	Folliculin
UniProt Synonym Protein Names	BHD skin lesion fibrofolliculoma protein; Birt-Hogg-Dube syndrome protein
Protein Family	Folliculin
UniProt Gene Name	FLCN
UniProt Synonym Gene Names	BHD
NCBI Protein Information	folliculin; birt-Hogg-Dube syndrome protein; BHD skin lesion fibrofolliculoma protein
NCBI Summary for FLCN	This gene is located within the Smith-Magenis syndrome region on chromosome 17. Mutations in this gene are associated with Birt-Hogg-Dube syndrome, which is characterized by fibrofolliculomas, renal tumors, lung cysts, and pneumothorax. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for FLCN	May be a tumor suppressor. May be involved in energy and/or nutrient sensing through the AMPK and mTOR signaling pathways. May regulate phosphorylation of RPS6KB1.
Research Articles on FLCN	**1.** Birt-Hogg-Dube syndrome in a patient with melanoma and a novel mutation in the FCLN gene.

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