10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPON2 Rabbit mAb

Catalog # AP76114

Product Information

Application	WB
Primary Accession	Q9BUD6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	35788

Additional Information

Gene ID	10417
Other Names	SPON2
Dilution	WB~~1:1000-1:5000
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

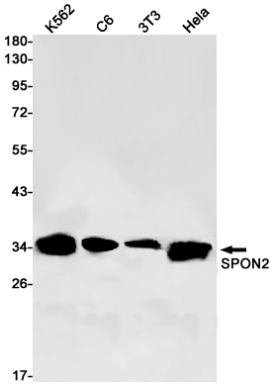
Protein Information

Name	SPON2
Synonyms	DIL1
Function	Cell adhesion protein that promotes adhesion and outgrowth of hippocampal embryonic neurons. Binds directly to bacteria and their components and functions as an opsonin for macrophage phagocytosis of bacteria. Essential in the initiation of the innate immune response and represents a unique pattern-recognition molecule in the ECM for microbial pathogens (By similarity). Binds bacterial lipopolysaccharide (LPS).
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Expressed in normal lung tissue but not in lung carcinoma cell lines.

Background

SPON2 (Spondin 2), also known as Mindin, is a member of the F-spondin family of secreted extracellular matrix proteins. This protein has been implicated in axon guidance, immune response and adhesion. SPON2 is essential in the initiation of the innate immune response and represents a unique pattern-recognition molecule in the ECM for microbial pathogens (PMID: 14691481). It also functions as an integrin ligand for inflammatory cell recruitment and T-cell priming (PMID: 19153605). Besides, SPON2 has been reported as a prognostic biomarker for ovarian and prostate cancer (PMID: 17490732; 22615945; 23665271).

Images



Western blot analysis of SPON2 in K562, C6, 3T3, Hela lysates using SPON2 antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.