Product Datasheet

C1QBP Antibody

Catalog No: #32485

Package Size: #32485-1 50ul #32485-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

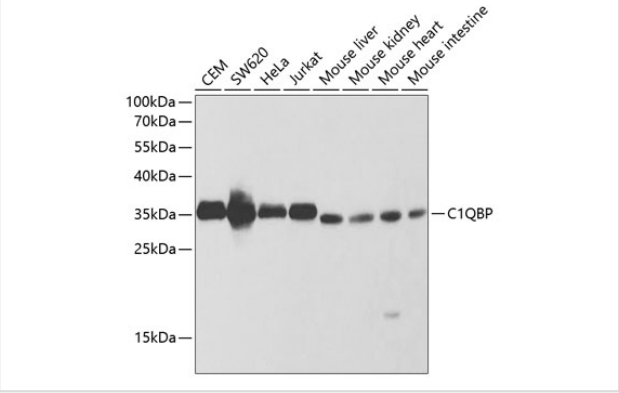
Description

Product Name	C1QBP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total C1QBP protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human C1QBP.
Target Name	C1QBP
Other Names	p32; HABP1; gC1qR; GC1QBP; SF2p32
Accession No.	Swiss-Prot:Q07021NCBI Gene ID:708
Uniprot	Q07021
GeneID	708;
SDS-PAGE MW	31KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

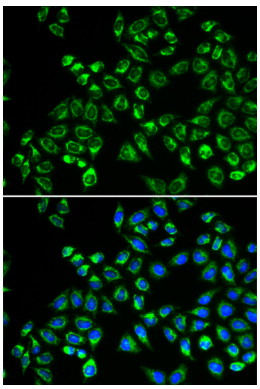
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using C1QBP at 1:1000 dilution.



Immunofluorescence analysis of HeLa cells using C1QBP .
Blue: DAPI for nuclear staining.

Background

C1QBP, also referred to as p32, p33, gC1q receptor (gC1qR), and hyaluronic acid binding protein 1 (HABP1), was originally identified via its binding interactions with Splicing Factor (SF-2) (1). Multiple, diverse binding partners of C1QBP were subsequently identified, including the globular heads of complement component C1q, hyaluronic acid, selected protein kinases (2), the tumor suppressor ARF (3-5), and multiple antigens of bacterial and viral origin (6). Research studies have shown that C1QBP is overexpressed in a number of cancer cell types (7), and has been implicated in the Warburg effect, whereby cancer cells shift their metabolism from oxidative phosphorylation to glycolysis (7). C1QBP has also been shown to inhibit the Mitochondrial Permeability Transition (MPT) pore, possibly serving a protective function against damage from oxidative stress (8).

Note: This product is for in vitro research use only