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Product datasheet for TA327206

GC1q R (C1QBP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human C1QBP
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	complement component 1, q subcomponent binding protein
Database Link:	NP_001203 Entrez Gene 12261 MouseEntrez Gene 29681 RatEntrez Gene 708 Human Q07021

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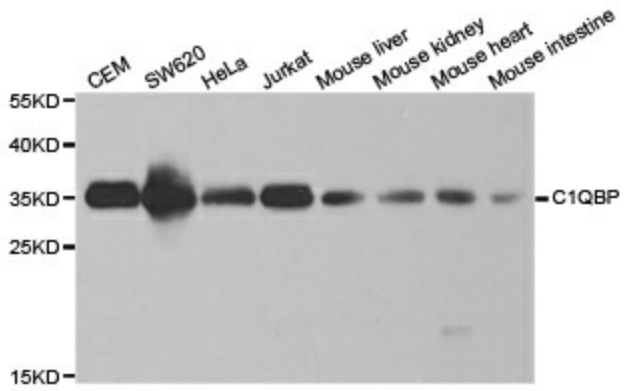
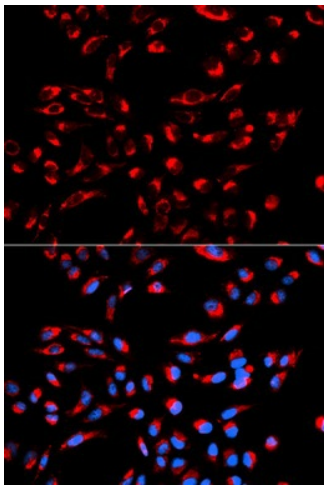
Background: C1QBP, also referred to as p32, p33, gC1q receptor (gC1qR), and hyaluronic acid binding protein 1 (HABP1), was originally identified via its binding interactions with Splicing Factor (SF-2) . Multiple, diverse binding partners of C1QBP were subsequently identified, including the globular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

Synonyms: gC1Q-R; GC1QBP; gC1qR; HABP1; p32; SF2p32

Product images:



Western blot analysis of extracts of various cell lines, using C1QBP antibody.



Immunofluorescence analysis of U2OS cell using C1QBP antibody. Blue: DAPI for nuclear staining.