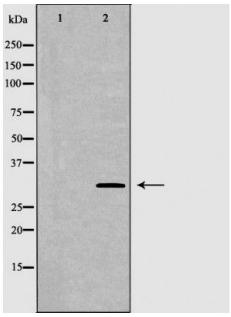
C1QBP Antibody

#24232

Catalog Number: 24232-1, 24232-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :Q07021
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized peptide derived from Human C1QBP
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity:C1QBP Antibody detects endogenous levels of total C1QBP
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 31kd WB:1:500-2000 IHC:1:50-200



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 .