

bsm-60780R**[Primary Antibody]**

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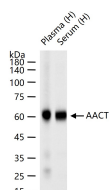
400-901-9800

AACT Recombinant Rabbit mAb

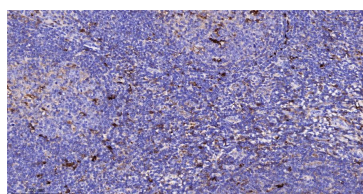
— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:2000-10000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Reactivity: Human Predicted MW.: 45 kDa Subcellular Location: Secreted
Clonality: Recombinant	CloneNo.: A12D5	
GeneID: 12	SWISS: P01011	
Target: AACT		
Immunogen: Full length native Protein: 1-423/423.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: PBS, Glycerol, BSA. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Alpha 1-Antichymotrypsin, a member of the serine proteinase inhibitor (serpin) family, inhibits neutrophil proteinase cathepsin G and mast cell chymases, and protects the lower respiratory tract from damage by proteolytic enzymes. It contains a reactive centre loop, which interacts with cognate proteinases, resulting in loop cleavage and a major conformational change. Recently, alpha 1-antichymotrypsin has been identified as a major constituent of the neurofibrillary plaques associated with Alzheimers disease, and in vitro studies have shown that it enhances the rate of amyloid-fibril formation. These observations and recent genetic evidence suggest that alpha 1-antichymotrypsin is important in the pathogenesis of Alzheimers disease.		

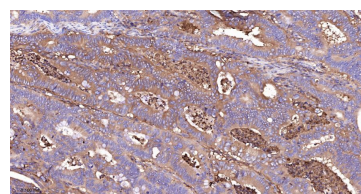
— VALIDATION IMAGES —



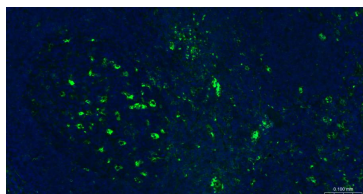
25 ug total protein per lane of various lysates (see on figure) probed with AACT monoclonal antibody, unconjugated (bsm-60780R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AACT Monoclonal Antibody, Unconjugated (bsm-60780R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AACT Monoclonal Antibody, Unconjugated (bsm-60780R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human tonsils; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with AACT Monoclonal Antibody, Unconjugated (bsm-60780R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.