

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

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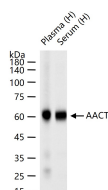
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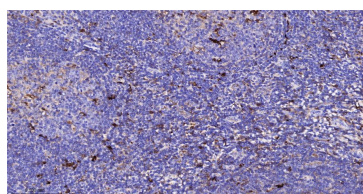
AACT Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** A12D5**GeneID:** 12**SWISS:** P01011**Target:** AACT**Immunogen:** Full length native Protein: 1-423/423.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** PBS, Glycerol, BSA.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

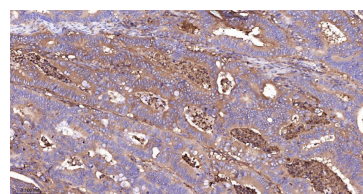
Background: Alpha 1-Antichymotrypsin, a member of the serine proteinase inhibitor (serpin) family, inhibits neutrophil proteinase cathepsin G and mast cell chymases, and protects the lower respiratory tract from damage by proteolytic enzymes. It contains a reactive centre loop, which interacts with cognate 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.

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**Observed MW.:** 60 kDa**Subcellular Location:** Secreted**— VALIDATION IMAGES —**

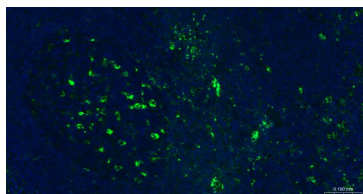
25 ug total protein per lane of various lysates (see on figure) probed with AACT monoclonal antibody, unconjugated (bsm-60780R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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.