

# Product Datasheet

## Serpin A3/alpha 1-Antichymotrypsin Antibody (AACT/1452) [Alexa Fluor® 405] NBP2-54438AF405

Unit Size: 100 ul

Store at 4C in the dark.

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**NBP2-54438AF405**

Serpine A3/alpha 1-Antichymotrypsin Antibody (AACT/1452) [Alexa Fluor® 405]

Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	AACT/1452
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 405
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	12
Gene Symbol	SERPINA3
Species	Human
Marker	Histiocytoma Marker
Specificity/Sensitivity	It recognizes a protein of 65-76kDa, which is identified antichymotrypsin (AACT). AACT is a plasma protease inhibitor synthesized in the liver as a single glycopeptide chain. In human, the normal serum level of AACT is about one-tenth that of their concentrations in plasma increase in response to trauma, surgery and infection. Elevated levels of AACT are widely, but not universally, reported in the cerebrospinal fluid and plasma of AD patients. Prostate-specific antigen (PSA) and its SDS-stable complex with AACT are in widespread use as markers for the diagnosis of prostate cancer. AACT deficiency may also be a possible cause of chronic liver disease. AACT antibody reacts with histiocytes and histiocytic neoplasms. It is widely used to identify histiocytes and tumors derived from them. Acinar tumors of the pancreas and salivary gland may also exhibit AACT positivity.
Immunogen	Recombinant human Serpin A3/alpha 1-Antichymotrypsin protein fragment (around aa 49-187) (exact sequence is proprietary) (Uniprot: P01011)



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Product Application Details	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-54438AF405**

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IC002V	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 405]
NBP1-90295PEP	Serpin A3/alpha 1-Antichymotrypsin Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
1295-PI-010	Serpin A3/alpha 1-Antichymotrypsin

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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