

# AACT Polyclonal Antibody

Catalog # AP73574

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P01011</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	47651

## Additional Information

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<b>Gene ID</b>	12
<b>Other Names</b>	SERPINA3; AACT; GIG24; GIG25; Alpha-1-antichymotrypsin; ACT; Cell growth-inhibiting gene 24/25 protein; Serpin A3
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	SERPINA3
<b>Synonyms</b>	AACT
<b>Function</b>	Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2.
<b>Cellular Location</b>	Secreted.
<b>Tissue Location</b>	Plasma. Synthesized in the liver. Like the related alpha-1-antitrypsin, its concentration increases in the acute phase of inflammation or infection. Found in the amyloid plaques from the hippocampus of Alzheimer disease brains.

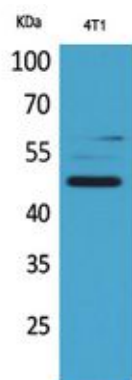
## Background

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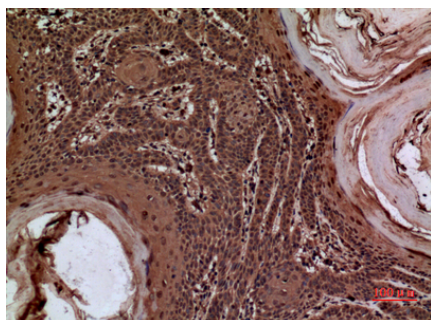
Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase,

both of which can convert angiotensin-1 to the active angiotensin-2.

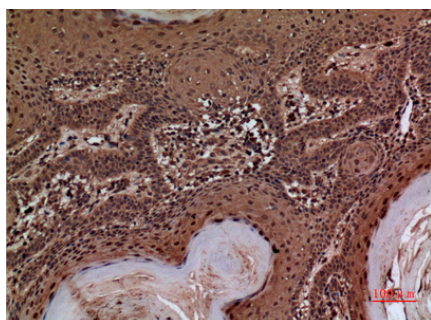
## Images



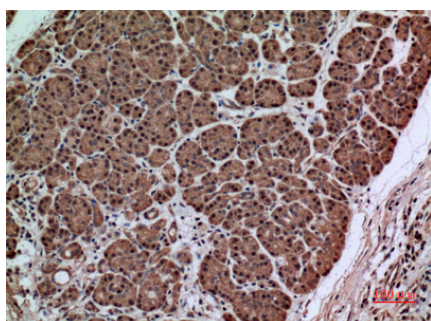
Western Blot analysis of 4T1 cells using AACT Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



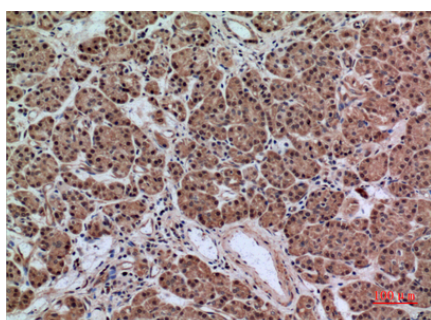
Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-pancreas-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-pancreas-cancer, antibody was diluted at 1:100

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.