abcam

Product datasheet

Anti-AACT antibody [EPR20127-143] ab222592

Recombinant RabMAb

2 Images

Overview

Product name	Anti-AACT antibody [EPR20127-143]
Description	Rabbit monoclonal [EPR20127-143] to AACT
Host species	Rabbit
Tested applications	**Suitable for:** Sandwich ELISA
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20127-143
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab222592 in the following tested applications.

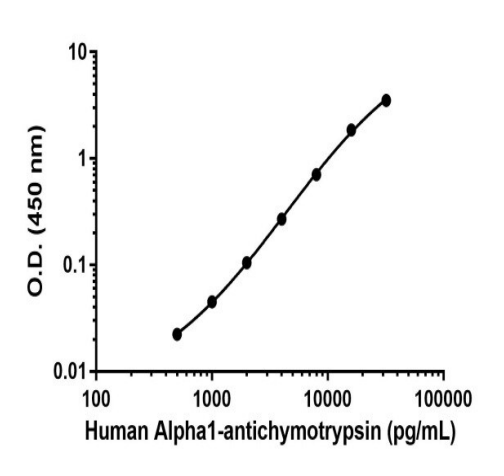
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.

Target

Function	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.
Tissue specificity	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.
Involvement in disease	Defects in SERPINA3 may be a cause of chronic obstructive pulmonary disease (COPD) [MIM:107280].
Sequence similarities	Belongs to the serpin family.
Domain	The reactive center loop (RCL) extends out from the body of the protein and directs binding to the target protease. The protease cleaves the serpin at the reactive site within the RCL, establishing a covalent linkage between the carboxyl group of the serpin reactive site and the serine hydroxyl of the protease. The resulting inactive serpin-protease complex is highly stable.
Cellular localization	Secreted.

Images



Sandwich ELISA - Anti-AACT antibody [EPR20127-143] (ab222592)

Example of human AACT standard curve in 1X Cell Extraction Buffer PTR using recombinant AACT RabMAb antibody (ab222592) and a recombinant monoclonal antibody. Background-subtracted values (mean +/- SD) are graphed.

For a matched antibody pair set, see Human AACT Matched Antibody Pair Kit (**ab221445**).

For a complete ELISA kit, see Human AACT ELISA kit (**ab217779**).

Anti-AACT antibody [EPR20127-143] (ab222592)

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