

## Product datasheet

# AACT overexpression 293T lysate (whole cell) ab94078

2 Images

### Overview

<b>Product name</b>	AACT overexpression 293T lysate (whole cell)
<b>General notes</b>	ab94078 is a 293T cell transfected lysate in which Human AACT has been transiently over-expressed using a pCMV-AACT plasmid. The lysate is provided in 1X Sample Buffer.
<b>Tested applications</b>	<b>Suitable for:</b> WB

### Properties

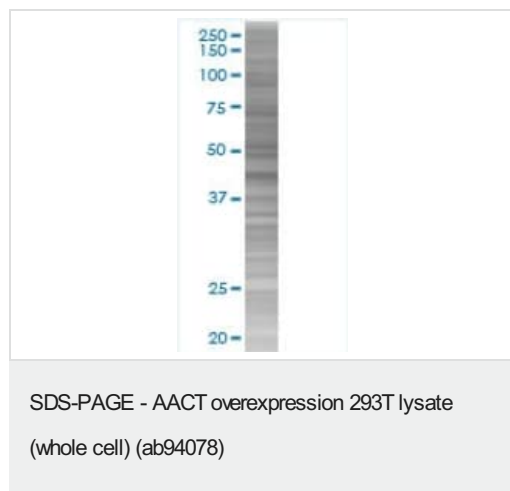
<b>Mycoplasma free</b>	Yes
<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped on dry ice. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
<b>Background</b>	Disease: Defects in SERPINA3 may be a cause of chronic obstructive pulmonary disease (COPD) [MIM:107280]. 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. 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. Similarity: Belongs to the serpin family. 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.

### Applications

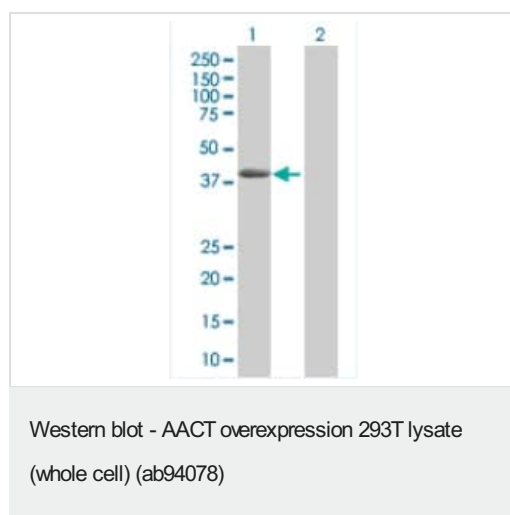
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab94078 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

## Images



ab94078 at 15µg/lane on an SDS-PAGE gel.



**All lanes :** Anti-AACT antibody (**ab54693**) at 1/500 dilution

**Lane 1 :** alpha 1 Antichymotrypsin 293T Transfected Lysate - Positive Control (ab94078)

**Lane 2 :** 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

### Secondary

**All lanes :** Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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