

Datasheet for ABIN2785531
anti-OAZ3 antibody (Middle Region)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	OAZ3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human OAZ3
Sequence:	DRRLFLDIPY QALDQGNRES LTATLEYVEE KTNVDSVFVN FQNDRNDRGA
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 93%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against OAZ3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	OAZ3
Alternative Name:	OAZ3 (OAZ3 Products)
Background:	Ornithine decarboxylase catalyzes the conversion of ornithine to putrescine in the first and

Target Details

apparently rate-limiting step in polyamine biosynthesis. The ornithine decarboxylase antizymes play a role in the regulation of polyamine synthesis by binding to and inhibiting ornithine decarboxylase. Antizyme expression is auto-regulated by polyamine-enhanced translational frameshifting. In contrast to antizymes 1 and 2, which are widely expressed throughout the body, the expression of this gene product (antizyme 3) is restricted to testis germ cells, and thus it is a possible candidate for heritable forms of human male infertility. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: AZ3, OAZ-t, TISP15

Protein Interaction Partner: AZIN2, C1orf94, L3MBTL3, AZIN1, IKZF3, BLZF1, REL, ODC1, OAZ1, GGN, SMAD1,

Protein Size: 187

Molecular Weight: 21 kDa

Gene ID: 51686

NCBI Accession: [NM_016178](#), [NP_057262](#)

UniProt: [Q9UMX2](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 187 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

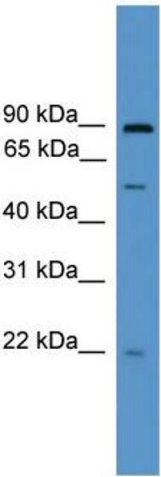
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

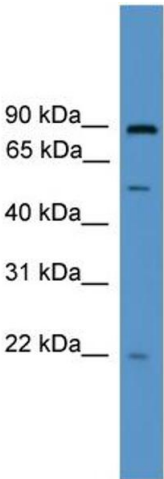


Western Blotting

Image 1. WB Suggested Anti-OAZ3 Antibody Titration:
0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: 293T cell lysate



Rabbit Anti-OAZ3 Antibody
Catalog Number: ARP53713
Lot Number: QC21960
Lane: 293T Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-OAZ3
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500
Positive Control: 93T cell lysate