

Anti-OVCA1 antibody [EPR15342] - BSA and Azide free ab250862

Recombinant RabMAb

4 Images

Overview

Product name	Anti-OVCA1 antibody [EPR15342] - BSA and Azide free
Description	Rabbit monoclonal [EPR15342] to OVCA1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250862 is the carrier-free version of ab185960.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15342
Isotype	IgG

Applications

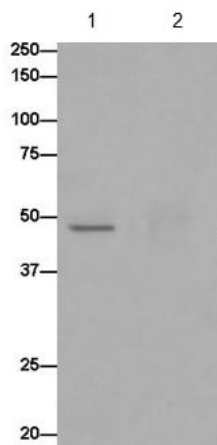
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250862 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).

Target

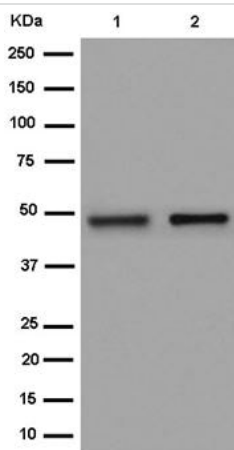
Function	Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2. When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells. Acts also as a tumor suppressor in lung and breast cancers (By similarity). Plays a role in embryonic growth, organogenesis and postnatal survival.
Tissue specificity	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, mammary gland, colon, small intestine, testis and ovary. Reduced expression in primary breast and ovarian tumors.
Sequence similarities	Belongs to the DPH1/DPH2 family. DPH1 subfamily.
Cellular localization	Nucleus. Cytoplasm. Punctate, primarily perinuclear localization.

Images



Immunoprecipitation - Anti-OVCA1 antibody [EPR15342] - BSA and Azide free (ab250862)

This data was developed using [ab185960](#), the same antibody clone in a different buffer formulation. Western blot analysis of immunoprecipitation pellet from SKBR3 cell lysate immunoprecipitated using [ab185960](#) at 1/50 dilution (lane 1) or PBS control (lane 2).
Secondary: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.



Western blot - Anti-OVCA1 antibody [EPR15342] - BSA and Azide free (ab250862)

All lanes : Anti-OVCA1 antibody [EPR15342] - C-terminal ([ab185960](#)) at 1/10000 dilution

Lane 1 : SKBR3 cell lysate

Lane 2 : A375 cell lysate

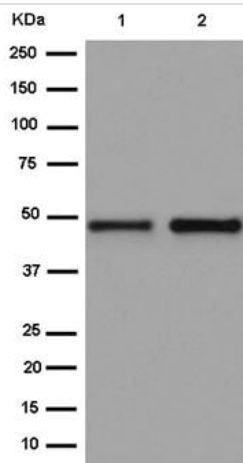
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution

Predicted band size: 49 kDa

This data was developed using [ab185960](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-OVCA1 antibody [EPR15342] - BSA and Azide free (ab250862)

All lanes : Anti-OVCA1 antibody [EPR15342] - C-terminal ([ab185960](#)) at 1/1000 dilution

Lane 1 : SK OV 3 cell lysate

Lane 2 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 49 kDa

This data was developed using [ab185960](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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