Product name: Anti-OVCA1 antibody [EPR15342] - C-terminal

Description: Rabbit monoclonal [EPR15342] to OVCA1 - C-terminal

Host species: Rabbit

Tested applications: Suitable for: WB, IP

Species reactivity: Reacts with: Human

Immunogen: Recombinant fragment within Human OVCA1 aa 300 to the C-terminus. The exact sequence is proprietary. Database link: Q9BZG8

Positive control: SK OV 3, HeLa, SKBR3 and A375 cell lysates.

General notes:

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Properties:

Form: Liquid


Storage buffer: Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity: Protein A purified

Clonality: Monoclonal
Clone number: EPR15342
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab185960 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/1000 - 1/10000. Detects a band of approximately 49 kDa (predicted molecular weight: 49 kDa).</td>
<td></td>
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<tr>
<td>IP</td>
<td>1/30 - 1/50.</td>
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</table>

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.


Images

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] - C-terminal (ab185960)**

**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

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**Western blot - Anti-OVCA1 antibody [EPR15342] - C-terminal (ab185960)**

**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

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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