Product datasheet

Anti-Liver Arginase antibody ab92274

Overview

Product name Anti-Liver Arginase antibody
Description Goat polyclonal to Liver Arginase
Host species Goat
Tested applications Suitable for: WB, IHC-P
Species reactivity Reacts with: Mouse, Rat, Human, Pig
Predicted to work with: Rabbit, Cow, Dog
Immunogen Synthetic peptide:
CFGLAREGNHKPID, corresponding to C terminal amino acids 303-316 of Human liver Arginase (NP_000036.2).
Positive control Recombinant Human Liver Arginase protein (ab95487) can be used as a positive control in WB. Human liver lysate

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer pH: 7.30
Preservative: 0.02% Sodium azide
Constituents: 0.5% Tris buffered saline, 0.5% BSA
Purity Immunogen affinity purified
Purification notes Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab92274 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
## Target

### Pathway
Nitrogen metabolism; urea cycle; L-ornithine and urea from L-arginine: step 1/1.

### Involvement in disease
Defects in ARG1 are the cause of argininemia (ARGIN) [MIM:207800]; also known as hyperargininemia. Argininemia is a rare autosomal recessive disorder of the urea cycle. Arginine is elevated in the blood and cerebrospinal fluid, and periodic hyperammonemia occurs. Clinical manifestations include developmental delay, seizures, mental retardation, hypotonia, ataxia, progressive spastic quadriplegia.

### Sequence similarities
Belongs to the arginase family.

### Cellular localization
Cytoplasm.

## Images

- **Immunohistochemistry (paraffin-embedded sections) analysis of human kidney tissue labeling Liver Arginase with ab92274 at 4µg/ml. Microwaved antigen retrieval was performed using Tris/EDTA buffer pH9. HRP-staining.**

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 35 kDa).</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 2 - 4 µg/ml.</td>
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</tbody>
</table>
**Western blot - Anti-Liver Arginase antibody (ab92274)**

**All lanes**: Anti-Liver Arginase antibody (ab92274) at 0.03 µg/ml

**Lane 1**: pig liver tissue lysate
**Lane 2**: mouse liver tissue lysate
**Lane 3**: rat liver tissue lysate

Lysates/proteins at 35 µg per lane.

**Predicted band size**: 35 kDa
**Observed band size**: 35 kDa

**Western blot - Anti-Liver Arginase antibody (ab92274)**

Anti-Liver Arginase antibody (ab92274) at 0.01 µg/ml + human liver lysate in RIPA buffer at 35 µg

**Predicted band size**: 35 kDa

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