HBS1L Polyclonal antibody

Catalog Number: 10359-1-AP  Featured Product  6 Publications

Basic Information

<table>
<thead>
<tr>
<th>Catalog Number: 10359-1-AP</th>
<th>GenBank Accession Number: BC001665</th>
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</thead>
<tbody>
<tr>
<td>Size: 150μl, Concentration: 1000 μg/ml by Nanodrop;</td>
<td>GenelD (NCBI): 10767</td>
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<tr>
<td>Source: Rabbit</td>
<td>Full Name: HBS1-like (S. cerevisiae)</td>
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<tr>
<td>Isotype: IgG</td>
<td>Calculated MW: 75 kDa</td>
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<tr>
<td>Immunogen Catalog Number: AG0388</td>
<td>Observed MW: 75 kDa</td>
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</table>

Purification Method: Antigen affinity purification

Recommended Dilutions:
- WB: 1:5000-1:50000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:20-1:200
- IF: 1:10-1:100

Applications

Tested Applications: IF, IHC, IP, WB, ELISA

Cited Applications: WB

Species Specificity: human, mouse, rat

Cited Species: human, mouse

Note: IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

HBS1L (HBS1-like), also known as EF-1a or ERFS, is a 684 amino acid protein that belongs to the GTP-binding elongation factor family and exists as multiple alternatively spliced isoforms. Expressed in kidney, brain, heart, placenta, liver, muscle and pancreas, HSB1L is thought to play a role in controlling fetal hemoglobin levels, specifically influencing platelet, monocyte and erythrocyte hemoglobin content. The gene encoding HBS1L maps to a locus on human chromosome 6 that is associated with sickle cell anemia and beta-thalassemia, suggesting a role for HBS1L in the pathogenesis of blood disorders. This antibody specifically recognizes the 75kd human HBS1L protein.

Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Rp Knight</td>
<td>25353634</td>
<td>Biochem J</td>
<td>WB</td>
</tr>
<tr>
<td>Michael K Sievin</td>
<td>26556133</td>
<td>Mol Cell</td>
<td>WB</td>
</tr>
<tr>
<td>Hussein H Aly</td>
<td>27281821</td>
<td>J Biol Chem</td>
<td>WB</td>
</tr>
</tbody>
</table>

Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) | E: proteintech@ptglab.com
in USA, or 1(312) 455-8498 (outside USA) | W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Jurkat cells were subjected to SDS PAGE followed by western blot with 10359-1-AP (HBS1L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10359-1-AP (HBS1L antibody) at dilution of 1:50 (under 25x lens).

Immunofluorescent analysis of HepG2 cells, using HBS1L antibody 10359-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).

IP Result of anti-HBS1L (IP:10359-1-AP, 4ug; Detection:10359-1-AP 1:1000) with mouse brain tissue lysate 4000ug.

Jurkat cells were subjected to SDS PAGE followed by western blot with 10359-1-AP (HBS1L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Various lysates were subjected to SDS PAGE followed by western blot with 10359-1-AP (HBS1L antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.