Calnexin Polyclonal ANTIBODY
Catalog Number: 10427-2-AP

Basic Information
Catalog Number: 10427-2-AP
Size: 58 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG0697
GenBank Accession Number: BC003552
GeneID (NCBI): 821
Full Name: calnexin
Calculated MW: 90 kDa
Observed MW: 90 kDa

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:20-1:200
IF 1:50-1:500

Applications
Tested Applications: FC, IF, IHC, WB, ELISA
Cited Applications: IF, IHC, WB
Species Specificity: human, mouse, rat
Cited Species: Hamster, human, monkey, mouse, rat

Background Information
Calnexin is a molecular chaperone that resides in the endoplasmic reticulum (ER) and participates in the folding and assembly of newly synthesized proteins. Calnexin is highly abundant in ER and is frequently used as an ER marker.

Notable Publications

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<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kiyobumi Ota</td>
<td>25208467</td>
<td>Acta Neuropathol Commun</td>
<td>WB</td>
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<tr>
<td>Jen-Jie Lin</td>
<td>27891763</td>
<td>Int J Mol Sci</td>
<td>WB</td>
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<tr>
<td>Motohiro Komaki</td>
<td>26074296</td>
<td>Stem Cell Res Ther</td>
<td>IF</td>
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</tbody>
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Storage
Storage: Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

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

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mouse brain tissue were subjected to SDS-PAGE followed by western blot with 10427-2-AP (CANX antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.

100,000 HeLa cells were stained with 0.2μg Calnexin antibody (10427-2-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min), Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (1:1000) with dilution of 1:1000.

Immunohistochemical of paraffin-embedded human breast cancer using 10427-2-AP (CANX antibody) at dilution of 1:100 (under 40x lens).

Immunohistochemical of paraffin-embedded human breast cancer using 10427-2-AP (CANX antibody) at dilution of 1:100 (under 10x lens).

Immunofluorescent analysis of 10% Formaldehyde fixed HepG2 cells using 10427-2-AP (Calnexin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (1:500).

Immunofluorescent analysis of 10% Formaldehyde fixed HepG2 cells using 10427-2-AP (Calnexin antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit (1:500).