antibodies - online.com







anti-CPLX2 antibody (N-Term)





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| Overview | |
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| Quantity: | 100 μL |
| Target: | CPLX2 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Guinea Pig, Horse, Rabbit, Cow, Dog, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CPLX2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |
| Product Details | |

| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human CPLX2 |
|-----------------------|---|
| Sequence: | MDFVMKQALG GATKDMGKML GGEEEKDPDA QKKEEERQEA LRQQEEERKA |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Zebrafish: 100% |
| Characteristics: | This is a rabbit polyclonal antibody against CPLX2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |
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Target Details

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| Target: | CPLX2 |

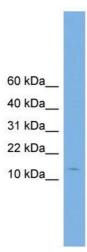
Target Details

| Alternative Name: | CPLX2 (CPLX2 Products) | |
|---------------------|---|--|
| Background: | Proteins encoded by the complexin/synaphin gene family are cytosolic proteins that function in | |
| | synaptic vesicle exocytosis. These proteins bind syntaxin, part of the SNAP receptor. The | |
| | protein product of this gene binds to the SNAP receptor complex and disrupts it, allowing | |
| | transmitter release. Two transcript variants encoding the same protein have been found for this | |
| | gene. | |
| | Alias Symbols: 921-L, CPX-2, CPX2, Hfb1, MGC138492 | |
| | Protein Interaction Partner: APP, STX3, STX2, STX1A, | |
| | Protein Size: 134 | |
| Molecular Weight: | 15 kDa | |
| Gene ID: | 10814 | |
| NCBI Accession: | NM_006650, NP_006641 | |
| UniProt: | Q6PUV4 | |
| Pathways: | Synaptic Vesicle Exocytosis | |
| Application Details | | |
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. | |
| Comment: | Antigen size: 134 AA | |
| Restrictions: | For Research Use only | |
| Handling | | |
| Format: | Liquid | |
| Concentration: | Lot specific | |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % | |
| | sucrose. | |
| Preservative: | Sodium azide | |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which | |
| | should be handled by trained staff only. | |
| Handling Advice: | Avoid repeated freeze-thaw cycles. | |
| Storage: | -20 °C | |
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Storage Comment:

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CPLX2 Antibody Titration:

0.2-1 ug/ml

Positive Control: Human Liver

60 kDa__ 40 kDa__ 31 kDa__ 22 kDa__ 10 kDa__ Rabbit Anti-CPLX2 Antibody Catalog Number: ARP52225 Lot Number: QC28826 Lane: Fetal Liver Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 10-20%

Western Blotting

Image 2. WB Suggested Anti-CPLX2

Antibody Titration: 0.2-1 μ g/mL

Positive Control: Human Liver