**Product Datasheet**

**Caspase-3 Antibody**  
**NB600-1235**

Unit Size: 0.5 ml  
Store at 4°C. Do not freeze.

**Reviews: 1  Publications: 36**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
www.novusbio.com/NB600-1235

Updated 2/9/2023 v.20.1

---

Earn rewards for product reviews and publications.  
Submit a publication at www.novusbio.com/publications  
Submit a review at www.novusbio.com/reviews/destination/NB600-1235
**Caspase-3 Antibody**

### Product Information

<table>
<thead>
<tr>
<th><strong>Unit Size</strong></th>
<th>0.5 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Store at 4°C. Do not freeze.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Preservative</strong></td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Affinity purified</td>
</tr>
<tr>
<td><strong>Buffer</strong></td>
<td>PBS (pH 7.4), 0.2% BSA, Tween-20</td>
</tr>
<tr>
<td><strong>Target Molecular Weight</strong></td>
<td>31.7 kDa</td>
</tr>
</tbody>
</table>

### Product Description

<table>
<thead>
<tr>
<th><strong>Host</strong></th>
<th>Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gene ID</strong></td>
<td>836</td>
</tr>
<tr>
<td><strong>Gene Symbol</strong></td>
<td>CASP3</td>
</tr>
<tr>
<td><strong>Species</strong></td>
<td>Human, Fish</td>
</tr>
<tr>
<td><strong>Reactivity Notes</strong></td>
<td>Fish reactivity reported in scientific literature (PMID: 28675853).</td>
</tr>
<tr>
<td><strong>Specificity/Sensitivity</strong></td>
<td>This reacts with the active form of Caspase 3 (17 kDa protein).</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>This Caspase-3 Antibody was developed against a synthetic peptide corresponding to the cleavage site of human caspase 3 (amino acids 167-175), conjugated to KLH.</td>
</tr>
</tbody>
</table>

### Product Application Details

<table>
<thead>
<tr>
<th><strong>Applications</strong></th>
<th>Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Dilutions</strong></td>
<td>Western Blot, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating</td>
</tr>
<tr>
<td><strong>Application Notes</strong></td>
<td>IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT. Use in ICC/IF was reported in the scientific literature (PMID: 23813946). Use in Western blot reported in scientific literature (PMID: 29977195). Use in IHC-FrFl reported in scientific publication PMID: 32651317. This Caspase-3 Antibody is validated for IHC-Fr from a verified customer review.</td>
</tr>
</tbody>
</table>
Immunohistochemistry-Paraffin: Caspase-3 Antibody [NB600-1235] - Formalin fixed paraffin embedded human tonsil stained with Caspase-3 Antibody (NB600-1235).


Immunohistochemistry: Caspase-3 Antibody [NB600-1235] - Stained sections of fish intestine and liver of the control group showed negative staining reactions in all the examined parts of the intestinal and hepatic tissue (black and red arrows) against caspase-3 (NB600-1235) and TNF-alpha (NBP2-61611) antibodies. Nearly 10% of hepatic portal cells reacted positively to caspase-3. Scale bars = 10 um. Image collected and cropped by CiteAb from the following publication (pubmed.ncbi.nlm.nih.gov/35624801/) licensed under a CC-BY license.
<table>
<thead>
<tr>
<th>Title</th>
<th>Journal/Conference/Other Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defining Longer-Term Outcomes in an Ovine Model of Moderate Perinatal Hypoxia-Ischemia</td>
<td>Developmental Neuroscience 2022-05-19 [PMID: 35588703] (ICC/IF)</td>
</tr>
<tr>
<td>Long-Term Feeding with Curcumin Affects the Growth, Antioxidant Capacity, Immune Status, Tissue Histoarchitecture, Immune Expression of Proinflammatory Cytokines, and Apoptosis Indicators in Nile Tilapia, Oreochromis niloticus</td>
<td>Antioxidants (Basel) 2022-05-10 [PMID: 35624801] (IHC)</td>
</tr>
<tr>
<td>The protective impact of Berberine against Doxorubicin-induced nephrotoxicity in Rats</td>
<td>Tissue Cell 2021-08-09 [PMID: 34371291]</td>
</tr>
<tr>
<td>Therapeutic effects of apocynin on ovarian ischemia-reperfusion induced lung injury</td>
<td>Biotechnic &amp; histochemistry : official publication of the Biological Stain Commission 2022-02-14 [PMID: 35152781] (IF/IHC)</td>
</tr>
<tr>
<td>Foxo3a aggravates inflammation and induces apoptosis in IL-1-treated rabbit chondrocytes via positively regulating tenascin-c.</td>
<td>Folia Histochem Cytobiol 2020-02-01 [PMID: 32003441] (IF/IHC, Drosophila melanogaster)</td>
</tr>
<tr>
<td>Tissue-resident M2 macrophages directly contact primary sensory neurons in the sensory ganglia after nerve injury</td>
<td>Journal of neuroinflammation 2021-10-13 [PMID: 34645458] (IF/IHC, Mouse)</td>
</tr>
<tr>
<td>Effects of high fructose diet on lipid metabolism and the hepatic NF-kappa B/ SIRT-1 pathway</td>
<td>Biotechnic &amp; histochemistry : official publication of the Biological Stain Commission 2021-02-25 [PMID: 33629622]</td>
</tr>
<tr>
<td>Neurodegeneration of Trigeminal Mesencephalic Neurons by the Tooth Loss Triggers the Progression of Alzheimer's Disease in 3 Tg-AD Model Mice</td>
<td>J. Alzheimers Dis. 2020-07-09 [PMID: 32651317] (IHC-FrFl, IF/IHC, Mouse)</td>
</tr>
</tbody>
</table>

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB600-1235

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications