

TRPC3 Polyclonal Antibody

Catalog # AP73703

Product Information

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|--------------------------|------------------------|
| Application | WB, IHC-P, IF, ICC, E |
| Primary Accession | Q13507 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 105538 |

Additional Information

| | |
|---------------------------|---|
| Gene ID | 7222 |
| Other Names | TRPC3; TRP3; Short transient receptor potential channel 3; TrpC3; Transient receptor protein 3; TRP-3; hTrp-3; hTrp3 |
| Dilution | WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A |
| Format | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| Storage Conditions | -20°C |

Protein Information

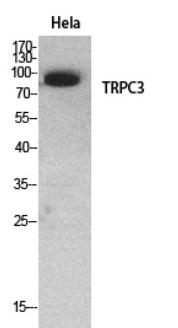
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|--------------------------|--|
| Name | TRPC3 |
| Synonyms | TRP3 |
| Function | Forms a receptor-activated non-selective calcium permeant cation channel (PubMed: 29726814 , PubMed: 30139744 , PubMed: 35051376 , PubMed: 9417057 , PubMed: 9930701 , PubMed: 10611319). |
| Cellular Location | Cell membrane; Multi-pass membrane protein |
| Tissue Location | Expressed predominantly in brain and at much lower levels in ovary, colon, small intestine, lung, prostate, placenta and testis |

Background

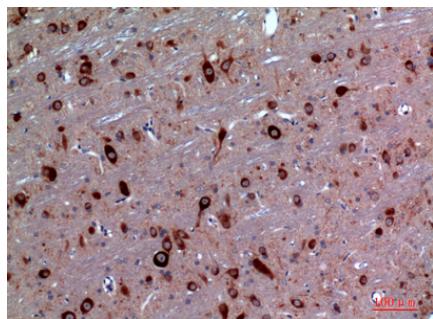
Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated

by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C, and by inositol 1,4,5- triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.

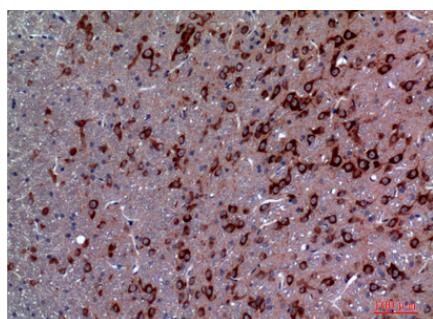
Images



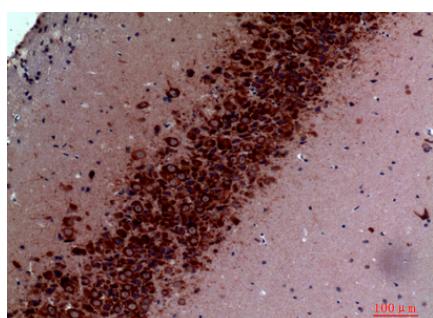
Western Blot analysis of HeLa cells using TRPC3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100

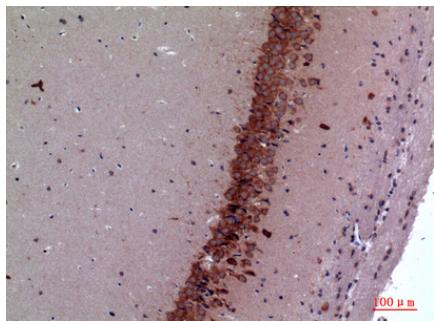


Immunohistochemical analysis of paraffin-embedded rat-brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100

Immunohistochemical analysis of paraffin-embedded mouse-brain, antibody was diluted at 1:100



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