



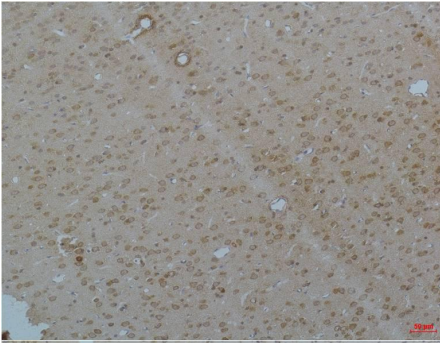
# ELK Biotechnology

**Cav pan  $\alpha$  1 Rabbit pAb**  
**Catalog NO.: EA275**  
**For research use only.**

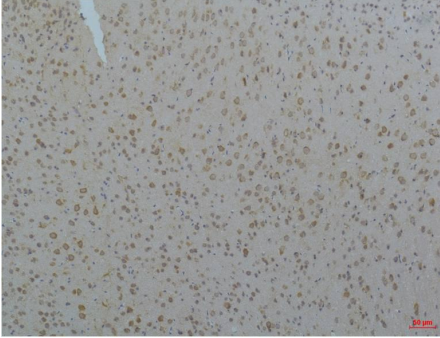
## Overview

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Product name	Cav pan $\alpha$ 1 Rabbit polyclonal antibody
Source	Rabbit
Applications	<b>IHC</b>
Species reactivity	<b>Human, Rat, Mouse</b>
Recommended dilutions	<b>Immunohistochemistry:1/100-200</b> <b>NOTE: Optimal dilutions should be determined by the end user.</b>
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	<b>240kDa</b>
GeneID (Human)	775
Human Swiss-Prot No.	Q13936
Cellular localization	Cell junction, Cell membrane, Cell projection, Membrane, Postsynaptic cell membrane, Synapse
Alternative Names	CACNA1, CAC1C, CCHL1A1, DHPR alpha1,LQT8, TS, alpha-1 polypeptide
Background	Voltage-gated Ca <sup>2+</sup> channels (CaV), enable the passage of Ca <sup>2+</sup> ions in a voltage dependent manner. These heteromeric entities are formed in part by the pore-forming $\alpha$ 1 subunit which determines the biophysical and pharmacological properties of the channel.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav pan α1 (EA275) Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Cav pan α1 (EA275) Rabbit pAb diluted at 1:200.