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# SYNGAP1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15101

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q96PV0 |
| **Other Accession** | NM_006772, NP_006763 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine |
| **Predicted** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 148284 |

## Additional Information

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| **Gene ID** | 8831 |
| **Alias Symbol** | DKFZp761G1421, KIAA1938, MRD5, RASA1, RASA5, SYNGAP |
| **Other Names** | Ras/Rap GTPase-activating protein SynGAP, Neuronal RasGAP, Synaptic Ras GTPase-activating protein 1, Synaptic Ras-GAP 1, SYNGAP1, KIAA1938 |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-SYNGAP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | SYNGAP1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

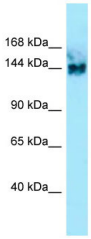
## Protein Information

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|---|---|
| **Name** | SYNGAP1 |
| **Synonyms** | KIAA1938 |
| **Function** | Major constituent of the PSD essential for postsynaptic signaling. Inhibitory regulator of the Ras-cAMP pathway. Member of the NMDAR signaling complex in excitatory synapses, it may play a role in NMDAR-dependent control of AMPAR potentiation, AMPAR membrane trafficking and synaptic plasticity. Regulates AMPAR-mediated miniature excitatory postsynaptic currents. Exhibits dual GTPase-activating specificity for Ras and Rap. May be involved in certain forms of brain injury, leading to long-term learning and memory deficits (By similarity). |

## References

Nagase T.,et al.DNA Res. 8:179-187(2001).
Mungall A.J.,et al.Nature 425:805-811(2003).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Krapivinsky G.,et al.Neuron 43:563-574(2004).
Hamdan F.F.,et al.N. Engl. J. Med. 360:599-605(2009).

## Images




WB Suggested Anti-SYNGAP1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal kidney

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.