

# JM4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50707

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">O60831</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | polyclonal             |
| Calculated MW     | 19258                  |

## Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 11230                                                                                                                                                    |
| Other Names        | PRA1 family protein 2, PRAF2                                                                                                                             |
| Dilution           | WB~~1:1000 IHC~~1:50-100                                                                                                                                 |
| Format             | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol. |
| Storage Conditions | -20°C                                                                                                                                                    |

## Protein Information

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | PRAF2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function          | May be involved in ER/Golgi transport and vesicular traffic. Plays a proapoptotic role in cerulenin-induced neuroblastoma apoptosis.                                                                                                                                                                                                                                                                                                                                                                       |
| Cellular Location | Endosome membrane; Multi-pass membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tissue Location   | Strong expression in the brain, small intestine, lung, spleen, and pancreas as well as in tumor tissues of the breast, colon, lung and ovary, with a weaker expression in normal tissues of the same patient. High expression in neuroblastic tumors. Strongly expressed in Purkinje cells and more moderately in cells of the molecular and the granular layers in the cerebellum. Detected in neuronal cells, but not in non-neuronal cells in the cerebral cortex, hippocampus, and lateral ventricles. |

## Background

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May be involved in ER/Golgi transport and vesicular traffic. Plays a proapoptotic role in cerulenin-induced

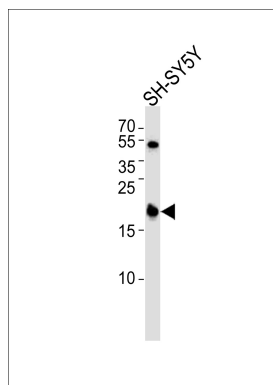
## References

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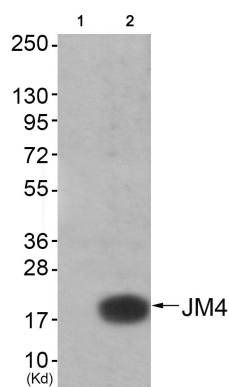
Strom T.M.,et al.Submitted (APR-1998) to the EMBL/GenBank/DDBJ databases.  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Schweneker M.,et al.FEBS Lett. 579:1751-1758(2005).

## Images

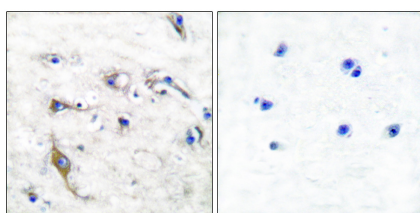
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Western blot analysis of lysate from SH-SY5Y cell line, using JM4 Antibody (AP50707). AP50707 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 µg.



Western blot analysis of extracts from A549 cells (Lane 2), using JM4 Antibody. The lane on the left is treated with synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human brain tissue using JM4 antibody (#AP50707).

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