

## Product datasheet for **CF804471**

### **PAFAH1B3 Mouse Monoclonal Antibody [Clone ID: OTI5B3]**

#### **Product data:**

|                                |  |
|--------------------------------|--|
| <b>Product Type:</b>           | Primary Antibodies   |
| <b>Clone Name:</b>             | OTI5B3   |
| <b>Applications:</b>           | WB   |
| <b>Recommended Dilution:</b>   | WB 1:2000  |
| <b>Reactivity:</b>             | Human, Mouse, Rat  |
| <b>Host:</b>                   | Mouse  |
| <b>Isotype:</b>                | IgG1   |
| <b>Clonality:</b>              | Monoclonal   |
| <b>Immunogen:</b>              | Full length human recombinant protein of human PAFAH1B3 (NP_001139411) produced in E.coli.   |
| <b>Formulation:</b>            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| <b>Reconstitution Method:</b>  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| <b>Conjugation:</b>            | Unconjugated   |
| <b>Storage:</b>                | Store at -20°C as received.  |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.   |
| <b>Predicted Protein Size:</b> | 25.6 kDa   |
| <b>Gene Name:</b>              | platelet activating factor acetylhydrolase 1b catalytic subunit 3  |
| <b>Database Link:</b>          | <a href="#">NP_001139411</a><br><a href="#">Entrez Gene 5050 Human</a><br><a href="#">Q15102</a>   |



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**Background:**

This gene encodes an acetylhydrolase that catalyzes the removal of an acetyl group from the glycerol backbone of platelet-activating factor. The encoded enzyme is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, which consists of the catalytic beta and gamma subunits and the regulatory alpha subunit. This complex functions in brain development. A translocation between this gene on chromosome 19 and the CDC-like kinase 2 gene on chromosome 1 has been observed, and was associated with mental retardation, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]

**Synonyms:**

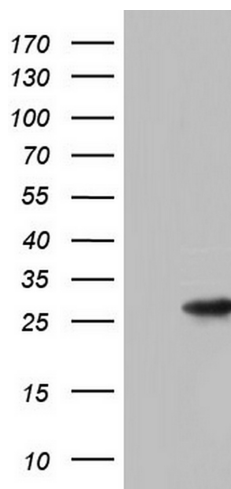
PAFAHG

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Ether lipid metabolism, Metabolic pathways

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PAFAH1B3 ([RC227227], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PAFAH1B3. Positive lysates [LY429044] (100ug) and [LC429044] (20ug) can be purchased separately from OriGene.