

Product datasheet for **AM20688PU-N**

gamma Adaptin (AP1G1) Mouse Monoclonal Antibody [Clone ID: IMD-113]

Product data:

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|-------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | IMD-113 |
| Applications: | WB |
| Recommended Dilution: | Western Blot: 2 - 4 µg/ml. |
| Reactivity: | Human, Rat |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | AP-1 adaptor from bovine brain. |
| Specificity: | This antibody reacts to AP1 complex subunit gamma-1. |
| Formulation: | 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction |
| Reconstitution Method: | Restore with 1.2% sodium acetate or neutral PBS |
| Concentration: | 0,1 mg/ml (after reconstitution with PBS) |
| Purification: | Affinity chromatography |
| Conjugation: | Unconjugated |
| Storage: | Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | adaptor related protein complex 1 gamma 1 subunit |
| Database Link: | Entrez Gene 171494 Rat Entrez Gene 164 Human O43747 |



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Background: Adaptins are important components of heterotetrameric adaptor complexes (APs) whose role is to promote the formation of clathrin-coated pits and vesicles. The AP-1 adaptor, localized at the trans-Golgi network, is composed of 2 approximately 100-kD subunits, beta-prime-adaptin and gamma-adaptin. The predicted 825-amino acid protein shares 99% identity with mouse gamma-adaptin. Northern blot analysis revealed that gamma-adaptin was expressed as a 7.5-kb transcript in all human tissues tested. Human gamma-adaptin gene (ADTG) is assigned to 16q23.

Synonyms: ADTG, CLAPG1, gamma 1 Adaptin, gamma Adaptin

Protein Pathways: Lysosome