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# Product datasheet for AM60064PU-N

## Mapk8ip2 (226-421) Mouse Monoclonal Antibody [Clone ID: S135-37]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | S135-37 |
| **Applications:** | IF, IHC, WB |
| **Recommended Dilution:** | **Western blot:** 1/1000; 1 µg/ml was sufficient for detection of JIP-2 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody.<br>**Immunocytochemistry**.<br>**Immunohistochemistry:** Free floating sections, fixed in formaldehyde. |
| **Reactivity:** | Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Fusion protein amino acids 226-421 of mouse JIP-2 (Accession no. Q9ERE9); >50% identity with JIP-1. |
| **Specificity:** | This antibody detects a 100 kDa and larger protein.<br>Does not cross-react with JIP-1. |
| **Formulation:** | PBS pH 7.4, 50% Glycerol, 0.09% Sodium azide<br>State: Purified<br>State: Liquid purified IgG fraction |
| **Concentration:** | lot specific |
| **Purification:** | Protein G chromatography |
| **Conjugation:** | Unconjugated |
| **Storage:** | Upon receipt, store undiluted (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: One year from despatch. |
| **Gene Name:** | mitogen-activated protein kinase 8 interacting protein 2 |
| **Database Link:** | Entrez Gene 60597 Mouse<br>Q9ERE9 |

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**Background:** The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module. JIP2 inhibits IL1 beta-induced apoptosis in insulin-secreting cells. May function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins. It is expressed mainly in the cerebellum, pituitary gland, occipital lobe, and the amygdala of the brain, but also in the pancreas, including insulin-secreting cells.

**Synonyms:** JNK-interacting protein 2, MAPK8IP2, IB2, JIP2, PRKM8IPL, JIP2, Islet-brain-2