

产品名称: DAP12 (15G16) Rabbit Monoclonal Antibody

产品货号: AMRe09784

产品概述 (Summary)

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|-------------------|---|
| 描述(Description) | Recombinant rabbit monoclonal antibody |
| 宿主(Host) | Rabbit |
| 应用(Application) | WB, ICC/IF, FC |
| 种属反应(Reactivity) | Human |
| 偶联物(Conjugation) | Unconjugated |
| 修饰(Modification) | Unmodified |
| 同种型(Isotype) | IgG |
| 克隆(Clonality) | Monoclonal |
| 剂型(Form) | Liquid |
| 保存条件(Storage) | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative |
| 储存溶液(Buffer) | N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 纯化 (Purification) | Affinity purification |

产品应用(Application)

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|-----------------------|---|
| 稀释比(Dilution Ratio) | WB 1:1000-1:5000, ICC/IF 1:200-1:500, FC 1:50-1:200 |
| 分子量(Molecular Weight) | 12kDa |

抗原信息(Antigen Information)

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|-----------------------|------------------------------------|
| 基因名(Gene Name) | TYROBP |
| 别名(Alternative Names) | DAP12; KARAP; PLOSL; TYROBP; |
| 基因 ID(Gene ID) | 7305.0 |
| SwissProt ID | O43914 |
| 免疫原(Immunogen) | A synthetic peptide of human DAP12 |

研究背景 (Background)

Non-covalently associates with activating receptors of the CD300 family. Cross-linking of CD300-TYROBP complexes results in cellular activation. Adapter protein which non-covalently associates with activating receptors found on the surface of a variety

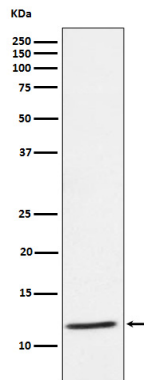
of immune cells to mediate signaling and cell activation following ligand binding by the receptors (PubMed:9490415, PubMed:9655483, PubMed:10604985). TYROBP is tyrosine-phosphorylated in the ITAM domain following ligand binding by the associated receptors which leads to activation of additional tyrosine kinases and subsequent cell activation (PubMed:9490415). Also has an inhibitory role in some cells (PubMed:21727189). Non-covalently associates with activating receptors of the CD300 family to mediate cell activation (PubMed:15557162, PubMed:16920917, PubMed:17928527; PubMed:26221034). Also mediates cell activation through association with activating receptors of the CD200R family (By similarity). Required for neutrophil activation mediated by integrin (By similarity). Required for the activation of myeloid cells mediated by the CLEC5A/MDL1 receptor (PubMed:10449773). Associates with natural killer (NK) cell receptors such as KIR2DS2 and the KLRD1/KLRC2 heterodimer to mediate NK cell activation (PubMed:9490415, PubMed:9655483, PubMed:23715743). Also enhances trafficking and cell surface expression of NK cell receptors KIR2DS1, KIR2DS2 and KIR2DS4 and ensures their stability at the cell surface (PubMed:23715743). Associates with SIRPB1 to mediate activation of myeloid cells such as monocytes and dendritic cells (PubMed:10604985). Associates with TREM1 to mediate activation of neutrophils and monocytes (PubMed:10799849). Associates with TREM2 on monocyte-derived dendritic cells to mediate up-regulation of chemokine receptor CCR7 and dendritic cell maturation and survival (PubMed:11602640). Association with TREM2 mediates cytokine-induced formation of multinucleated giant cells which are formed by the fusion of macrophages (PubMed:18957693). Stabilizes the TREM2 C-terminal fragment (TREM2-CTF) produced by TREM2 ectodomain shedding which suppresses the release of pro-inflammatory cytokines (PubMed:25957402). In microglia, required with TREM2 for phagocytosis of apoptotic neurons (By similarity). Required with ITGAM/CD11B in microglia to control production of microglial superoxide ions which promote the neuronal apoptosis that occurs during brain development (By similarity). Promotes proinflammatory responses in microglia following nerve injury which accelerates degeneration of injured neurons (By similarity). Positively regulates the expression of the IRAK3/IRAK-M kinase and IL10 production by liver dendritic cells and inhibits their T cell allostimulatory ability (By similarity). Negatively regulates B cell proliferation (PubMed:21727189). Required for CSF1-mediated osteoclast cytoskeletal organization (By similarity). Positively regulates multinucleation during osteoclast development (By similarity).

研究领域 (Research Area)

注意事项 (Note)

For research use only.

图片 (Image Data)



Western blot analysis of DAP12 expression in Human PBMC cell lysate.

EnkiLife 优势产品推荐

| 产品类别 | 产品货号 | 产品名称 |
|-----------------------------|----------|--|
| WB 解决方案 | RA10020 | 2h 极速 WB 即用型全流程试剂盒 |
| | RA10021 | 4h 快速 WB 即用型全流程试剂盒 |
| | RA10042 | 5h 畅享版 WB 全流程试剂盒 |
| | RA10037 | 校准级彩色预染蛋白 Marker (8-180kDa) |
| | RA10038 | 校准级彩色预染蛋白 Marker (10-250kDa) |
| | RA10039 | 校准级高分子彩色预染蛋白 Marker (25-400kDa) |
| TSA 多重荧光染色试剂盒 | RA10008 | TSA 双标三色多重荧光染色试剂盒 (mIHC) |
| | RA10009 | TSA 三标四色多重荧光染色试剂盒 (mIHC) |
| | RA10010 | TSA 四标五色多重荧光染色试剂盒 (mIHC) |
| | RA10011 | TSA 五标六色多重荧光染色试剂盒 (mIHC) |
| | RA10012 | TSA 六标七色多重荧光染色试剂盒 (mIHC) |
| IHC 检测试剂盒 | RA10006 | HRP Anti-Mouse/Rabbit IHC Detection System |
| | RA10007 | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒 | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒 |
| | RE80002q | Sulfo-NHS-生物素标记试剂盒 |
| | RE80007p | Cy3 荧光素标记试剂盒 |
| | RE80011p | Fluor488 荧光素标记试剂盒 |
| | RE80017p | Fluor750 荧光素标记试剂盒 |
| | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒 |
| | RE80040 | PE-Cy7 串联染料抗体快速标记试剂盒 |
| 稳转细胞系构建服务 (免费赠送全膜 WB 验证) | TS-0001 | 过表达稳转细胞系构建 |
| | TS-0002 | 敲低稳转细胞系构建 |
| | TS-0003 | 敲除细胞系构建 |

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