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# Product datasheet for TA504372M

## SH2D2A Mouse Monoclonal Antibody [Clone ID: OTI3C7]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI3C7 |
| **Applications:** | FC, IF, IHC, WB |
| **Recommended Dilution:** | WB 1:500~2000, IF 1:100, FLOW 1:100 |
| **Reactivity:** | Human, Monkey, Mouse |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Full length human recombinant protein of human SH2D2A(NP_003966) produced in HEK293T cell. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 0.75 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 42.8 kDa |
| **Gene Name:** | SH2 domain containing 2A |
| **Database Link:** | NP_003966<br>Entrez Gene 27371 MouseEntrez Gene 718686 MonkeyEntrez Gene 9047 Human<br>Q9NP31 |
| **Background:** | This gene encodes an adaptor protein thought to function in T-cell signal transduction. A related protein in mouse is responsible for the activation of lymphocyte-specific protein-tyrosine kinase and functions in downstream signaling. Alternative splicing results in multiple transcript variants. [provided by RefSeq] |
| **Synonyms:** | F2771; SCAP; TSAD; VRAP |

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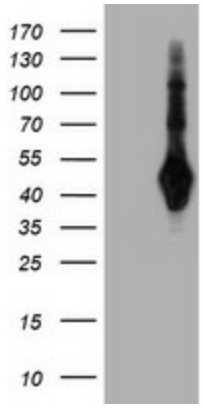
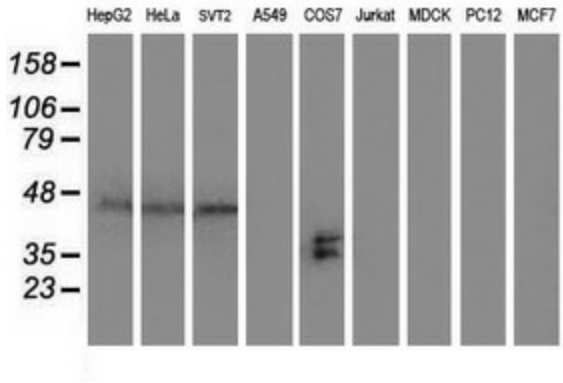
**Protein Pathways:** VEGF signaling pathway

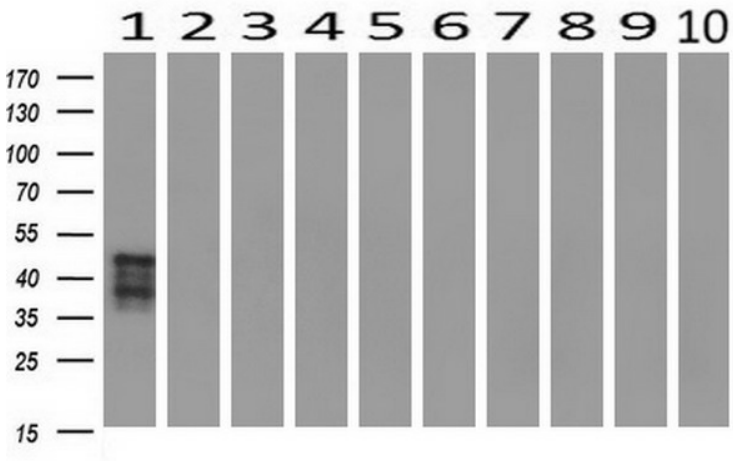
## Product images:




HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SH2D2A ([RC204162], 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-SH2D2A. Positive lysates [LY418322] (100ug) and [LC418322] (20ug) can be purchased separately from OriGene.




Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SH2D2A monoclonal antibody.




Western blot analysis of extracts (10ug) from 10 Human tissue by using anti-SH2D2A monoclonal antibody at 1:200 (1: Testis; 2: Omentum; 3: Uterus; 4: Breast; 5: Brain; 6: Liver; 7: Ovary; 8: Thyroid gland; 9: colon;10: spleen).

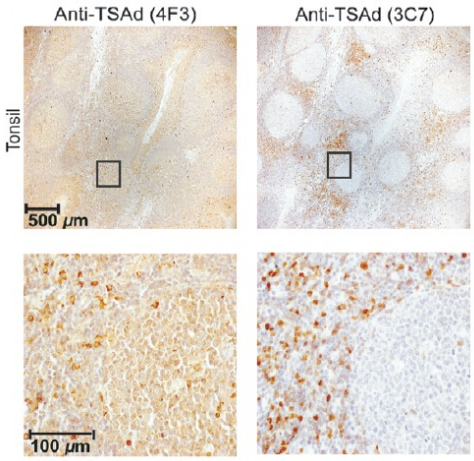
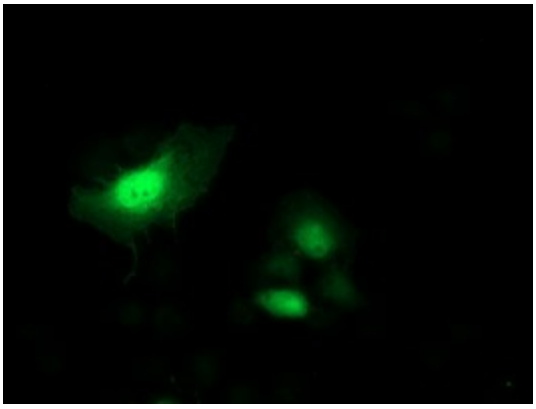
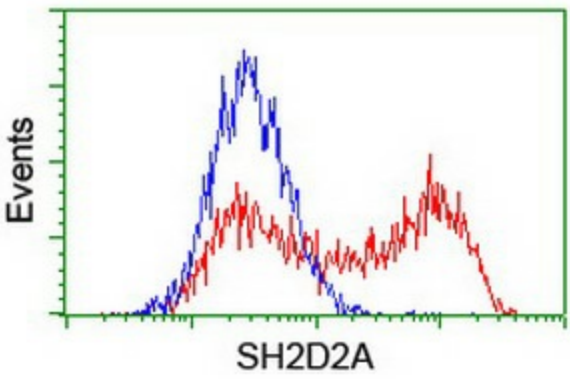



Figure from citation: Comparison of IHC on tonsil with clone 4F3 ([TA504364]) and clone 3C7 ([TA504372]) SH2D2A mAb and HRP-conjugated secondary antibodies. View Citation. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-SH2D2A mouse monoclonal antibody ([TA504372]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SH2D2A ([RC204162]).




HEK293T cells transfected with either [RC204162] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SH2D2A antibody ([TA504372]), and then analyzed by flow cytometry.