

TSC22D3 / GILZ Antibody (clone 3A5)
Mouse Monoclonal Antibody
Catalog # ALS13301

Specification

TSC22D3 / GILZ Antibody (clone 3A5) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	Q99576
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	15kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

TSC22D3 / GILZ Antibody (clone 3A5) - Additional Information

Gene ID 1831

Other Names

TSC22 domain family protein 3, DSIP-immunoreactive peptide, Protein DIP, hDIP, Delta sleep-inducing peptide immunoreactor, Glucocorticoid-induced leucine zipper protein, GILZ, TSC-22-like protein, TSC-22-related protein, TSC-22R, TSC22D3, DSIP1, GILZ

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

TSC22D3 / GILZ Antibody (clone 3A5) is for research use only and not for use in diagnostic or therapeutic procedures.

TSC22D3 / GILZ Antibody (clone 3A5) - Protein Information

Name TSC22D3 ([HGNC:3051](#))

Function

Protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11 (PubMed:15031210). In macrophages, plays a role in the anti- inflammatory and immunosuppressive effects of glucocorticoids and IL10 (PubMed:12393603). In T-cells, inhibits anti-CD3-induced NFkB1 nuclear translocation and thereby NFkB1 DNA-binding activities (PubMed:11468175). In vitro, suppresses AP-1 transcription factor complex DNA-binding activities (By similarity).

Cellular Location

[Isoform 1]: Cytoplasm {ECO:0000250|UniProtKB:Q9Z2S7}. Nucleus {ECO:0000250|UniProtKB:Q9Z2S7} Note=Localization depends on differentiation status of myoblasts (By similarity). In undifferentiated myoblasts; localizes to the cytoplasm, but in differentiating myoblast; localizes to the nucleus (By similarity). {ECO:0000250|UniProtKB:Q9Z2S7}

Tissue Location

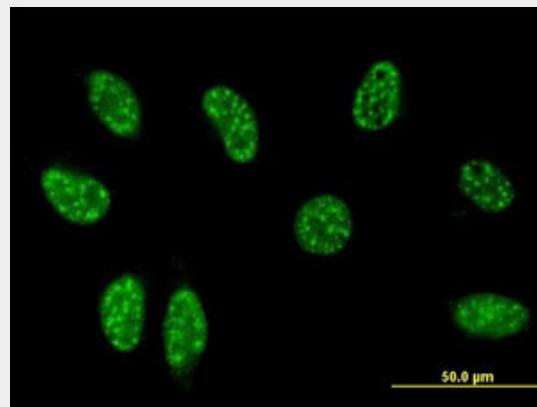
Ubiquitously expressed, including in the fetal brain and liver (PubMed:26752201). Expressed in brain, lung, spleen and skeletal muscle (PubMed:11313722, PubMed:12393603). Lower levels detected in heart and kidney (PubMed:11313722, PubMed:12393603). Not detected in the pancreas (PubMed:11313722). In non-lymphoid tissues, in the absence of inflammation, the major source of constitutive expression is the macrophage lineage (PubMed:12393603). Also expressed in cells from different hemopoietic cell lineages, including bone marrow cells, CD34+ stem cells, mature B- and T-cells, monocytes and granulocytes (PubMed:11313722). Down-regulated in activated macrophages from inflammatory lesions of delayed-type hypersensitivity (DTH) reactions, such as in tuberculosis and in Crohn disease, whereas in Burkitt lymphoma, persists in macrophages involved in the phagocytosis of apoptotic malignant cells (PubMed:12393603)

TSC22D3 / GILZ Antibody (clone 3A5) - Protocols

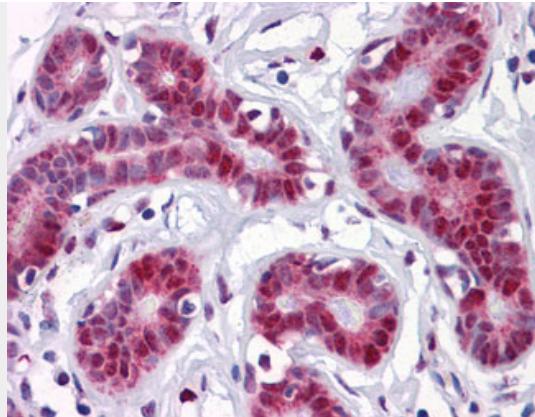
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

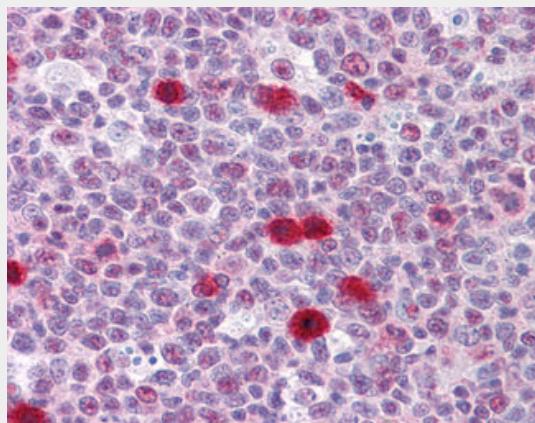
TSC22D3 / GILZ Antibody (clone 3A5) - Images



Immunofluorescence of monoclonal antibody to TSC22D3 on HeLa cell (antibody concentration 10 ug/ml).



Anti-TSC22D3 antibody IHC of human breast.



Anti-TSC22D3 antibody IHC of human tonsil.

TSC22D3 / GILZ Antibody (clone 3A5) - Background

Protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11. In macrophages, plays a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, inhibits anti-CD3-induced NFKB1 nuclear translocation. In vitro, suppresses AP1 and NFKB1 DNA-binding activities (By similarity). Isoform 1 inhibits myogenic differentiation and mediates anti- myogenic effects of glucocorticoids by binding and regulating MYOD1 and HDAC1 transcriptional activity resulting in reduced expression of MYOG (By similarity).

TSC22D3 / GILZ Antibody (clone 3A5) - References

Vogel P.,et al.Biochim. Biophys. Acta 1309:200-204(1996).
Cannarile L.,et al.Cell Death Differ. 8:201-203(2001).
Wistow G.J.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Okada T.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
Kim M.K.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.