

GilZ Rabbit pAb

Catalog # AP97193

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q99576
Other Accession	Q99576
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14810
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GilZ/TilZ
Epitope Specificity	65-134/134
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TSC-22/Dip/Bun family.
SUBUNIT	Can form homodimers, however it is likely to function as a monomer. Interacts with AP1 (By similarity). Interacts with NFKB1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	1831
Other Names	DIP; DSIPI; GILZ; TSC-22R; Dsip1; Tilz3; CR201_G0020455; DSIP; T22D3_HUMAN; TSC22D3; 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); T22D3_MOUSE; Glucocorticoid-induced leucine zipper protein; TSC22-related-inducible leucine zipper 3 (Tilz3); T22D3_PONAB; T22D3_PIG; DSIP-immunoreactive peptide (DIP protein); T22D3_RAT; TSC22 domain family member 3; delta sleep inducing peptide, immunoreactor; TSC22 domain family, member 3; glucocorticoid-induced leucine zipper
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

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)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.