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TSC22D3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TSC22D3.
Catalog # AT4374a

Product Information

Application	WB, IHC, IF, IP, E
Primary Accession	Q99576
Other Accession	NM_198057
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3A5
Calculated MW	14810

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, DSIPI, GILZ
Target/Specificity	TSC22D3 (NP_932174, 1 a.a. ~ 97 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TSC22D3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

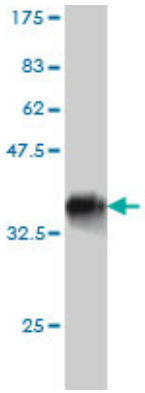
Background

The protein encoded by this gene shares significant sequence identity with the murine TSC-22 and Drosophila shs, both of which are leucine zipper proteins, that function as transcriptional regulators. The expression of this gene is stimulated by glucocorticoids and interleukin 10, and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid and chemokine. Transcript variants encoding different isoforms have been identified for this gene.

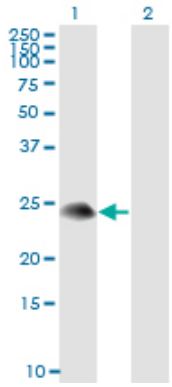
References

Glucocorticoid-induced leucine zipper (GILZ) promotes the nuclear exclusion of FOXO3 in a Crm1-dependent manner. Latr? de Lat? P, et al. J Biol Chem, 2010 Feb 19. PMID 20018851.The glucocorticoid-induced leucine zipper gene (GILZ) expression decreases after successful treatment of patients with endogenous Cushing's syndrome and may play a role in glucocorticoid-induced osteoporosis. Lekva T, et al. J Clin Endocrinol Metab, 2010 Jan. PMID 19875485.Identification of glucocorticoid-induced leucine zipper as a key regulator of tumor cell proliferation in epithelial ovarian cancer. Redjimi N, et al. Mol Cancer, 2009 Oct 8. PMID 19814803.Epithelial sodium channel regulated by differential composition of a signaling complex. Soundararajan R, et al. Proc Natl Acad Sci U S A, 2009 May 12. PMID 19380724.Chronic rhinosinusitis with and without nasal polyps is associated with decreased expression of glucocorticoid-induced leucine zipper. Zhang XH, et al. Clin Exp Allergy, 2009 May. PMID 19260870.

Images

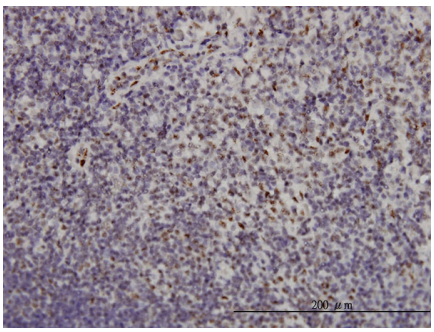


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.41 KDa) .



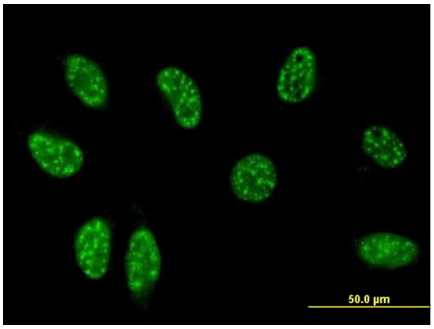
Western Blot analysis of TSC22D3 expression in transfected 293T cell line by TSC22D3 monoclonal antibody (M01), clone 3A5.

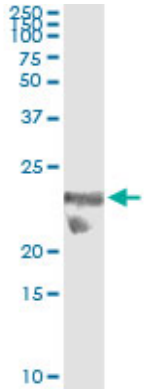
Lane 1: TSC22D3 transfected lysate(22.2 KDa).
Lane 2: Non-transfected lysate.



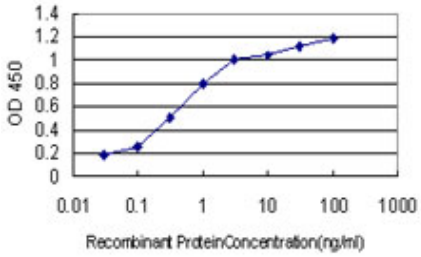
Immunoperoxidase of monoclonal antibody to TSC22D3 on formalin-fixed paraffin-embedded human lymph node. [antibody concentration 3 ug/ml]

Immunofluorescence of monoclonal antibody to TSC22D3 on HeLa cell . [antibody concentration 10 ug/ml]





Immunoprecipitation of TSC22D3 transfected lysate using anti-TSC22D3 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with TSC22D3 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged TSC22D3 is approximately 0.03ng/ml as a capture antibody.

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