TSC-22 Polyclonal Antibody

E20-74758

Catalog Number:E20-74758

Amount:100ul

Applications:WB,IHC-p,IF,ELISA

Reactivity: Human,Mouse,Rat

Gene Name:TSC22D1

Protein Name:TSC22 domain family protein 1

Human Gene Id:8848

Human Swiss Prot No:Q15714

Mouse Gene Id:21807

Mouse Swiss Prot No:P62500

Rat Gene Id:498545

Rat Swiss Prot No:P62501

Immunogen: The antiserum was produced against synthesized peptide derived from human TSC22D1. AA range:71-120

Specificity:TSC-22 Polyclonal Antibody detects endogenous levels of TSC-22 protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source:Rabbit

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Names:TSC22D1; KIAA1994; TGFB1I4; TSC22; hucep-2; TSC22 domain family protein 1; Cerebral protein 2; Regulatory protein TSC-22; TGFB-stimulated clone 22 homolog; Transforming growth factor beta-1-induced transcript 4 protein

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Molecular Weight (Da):109659/15680/59863

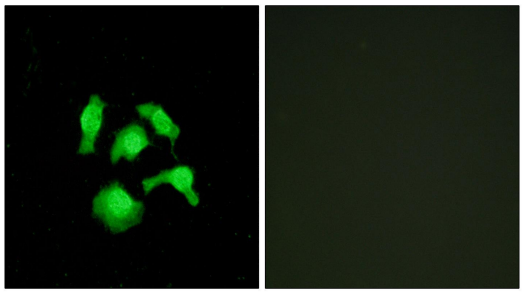
Observed Band(KD):16

Background:TSC22 domain family member 1(TSC22D1) Homo sapiens This gene encodes a member of the TSC22 domain family of leucine zipper transcription factors. The encoded protein is stimulated by transforming growth factor beta, and regulates the transcription of multiple genes including C-type natriuretic peptide. The encoded protein may play a critical role in tumor suppression through the induction of cancer cell apoptosis, and a single nucleotide polymorphism in the promoter of this gene has been associated with diabetic nephropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011],

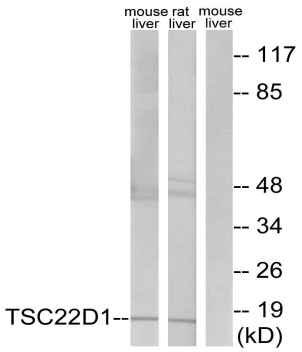
Function: Transcriptional repressor. Acts on the C-type natriuretic peptide (CNP) promoter.,induction:In aortic endothelial cells, induced by cytokines, including TGFB.,similarity:Belongs to the TSC-22/Dip/Bun family.,subunit:Homodimer or heterodimer. Can form an heterodimer with TSC22D4.,tissue specificity:Widely expressed in fetal and adult tissues.,

Subcellular Location:nucleus,cytoplasm.

Expression: Brain,Brain cortex,Colon,Fetal brain,Kidney,Lung,Ovary,Testicle.



Immunofluorescence analysis of HepG2 cells using TSC22D1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse liver and rat liver cells, using TSC22D1 Antibody. The lane on the right is blocked with the synthesized peptide.