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# Product datasheet for AP01239PU-N

## TSC22D1 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | **Western Blot:** 1/500-1/1000.<br>**Immunofluorescence**: 1/50-1/200.<br>**Immunohistochemistry on paraffin sections**: 1/50-1/200. |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide, corresponding to amino acids 41-93 of Human TSC22. |
| **Specificity:** | This antibody detects endogenous levels of TSC-22 protein.<br>(region surrounding Glu73) |
| **Formulation:** | Phosphate buffered saline (PBS), pH~7.2<br>State: Aff - Purified<br>State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).<br>Preservative: 0.05% Sodium Azide |
| **Concentration:** | 1.0 mg/ml |
| **Purification:** | Affinity Chromatography using epitope-specific immunogen. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: One year from despatch. |
| **Predicted Protein Size:** | ~ 16 kDa |
| **Gene Name:** | TSC22 domain family member 1 |
| **Database Link:** | Entrez Gene 8848 Human<br>Q15714 |

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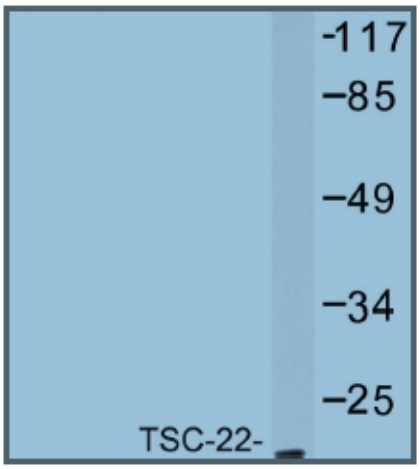
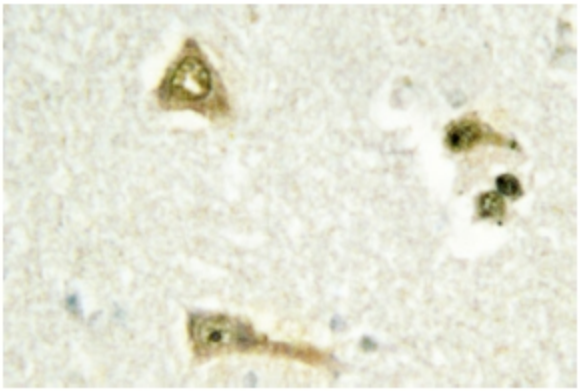
**Background:** Transforming growth factor-beta-stimulated clone-22 (TSC-22) acts as a transcriptionalregulator to modulate cell growth and differentiation and cell death. TSC-22 contains a leucine zipper domain as well as a nuclear export signal, resulting in cytoplasmic localization in living cells. However, concomitant with the induction of apoptosis, TSC-22 translocates from the cytoplasm to the nucleus and shows transcriptional regulatory activity. TSC-22 acts as a major downstream component in the TGF-beta pathway, and also the PPARgamma signalling pathway. The association of these two pathways with tumor suppression, and the significant downregulation of TSC-22 mRNA in various cancer types, such as brain and salivary gland tumors, imply an antiproliferative role for TSC-22.

**Synonyms:** TSC22 domain family protein 1, TSC22, KIAA1994, TGFB1I4

## Product images:




Western blot (WB) analysis of TSC-22 antibody in extracts from mouse liver.



Immunohistochemistry (IHC) analyzes of TSC-22 antibody in paraffin-embedded human brain tissue.