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Rabbit Anti-Tsukushin antibody

SL11607R

Product Name:	Tsukushin
Chinese Name:	TSK蛋白抗体
Alias:	E2 induced gene 4 protein; E2IG4; Leucine rich repeat containing protein 54; LRRC54; TSK; Tsukushi; TSK_HUMAN; Tsukushin.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	36kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Tsukushin:231-300/353
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic å/∫ horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. LRRC54 (leucine-rich repeat-containing protein 54), also known as tsukushin, TSKU or E2-induced gene 4 protein (E2IG4), is a 353 amino acid secreted protein that likely

	localizes to the cell membrane and extracellular compartments. Involved in extracellular secretion and intracellular transport, LRRC54 can be induced by 17-beta-estradiol. Containing nine LRR repeat and a cleavable signal peptide, the gene encoding LRRC54 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. **Function:** It is suggested that Tsukushin is involved in intracellular transport and extracellular secretion. Its structure contains 9 LRR (leucine-rich) repeats. **Subcellular Location:** Secreted **Similarity:** Contains 10 LRR (leucine-rich) repeats. Contains 1 LRRNT domain. **SWISS:** Q8WUA8 **Gene ID:** 25987 **Database links:** Entrez Gene: 25987 Human GenBank: NM_015516 Human GenBank: NP_056331 Human Omim: 608015 Human SwissProt: Q8WUA8 Human Unigene: 8361 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.