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## Datasheet for ABIN1700475 **anti-TESK2 antibody (AA 301-400) (Biotin)**

### Overview

Quantity:	100 µL
Target:	TESK2
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSK2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TSK2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	TESK2
Alternative Name:	TESK2 ( <a href="#">TESK2 Products</a> )
Background:	Synonyms: Dual specificity testis specic protein kinase 2, Dual specificity testis-specific protein

## Target Details

kinase 2, MGC29168, OTTHUMP00000009093, RP23-109A3.2, Tesk2, TESK2\_HUMAN, Testicular protein kinase 2, Testis specic kinase 2.

Background: TESK2 is a nuclear protein that belongs to the protein kinase superfamily and is expressed in testis and prostate. Functioning as a dual-specificity protein kinase, TESK2 catalyzes the ATP-dependent phosphorylation of substrates and autophosphorylation on tyrosine and serine/threonine residues, thereby mediating intracellular signal transduction pathways. TESK2 requires magnesium as a cofactor and its catalytic activity is thought to play an important role in meiotic events such as spermatogenesis. TESK2 contains one protein kinase domain that is 65 % identical to the kinase domain found in TESK1 (testicular protein kinase 1), suggesting a similar role for these proteins in phosphorylation events. Three isoforms of TESK2 are expressed due to alternative splicing.

Gene ID: 10420

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months