

NDR2 Rabbit pAb

CatalogNo: YT3003

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 54kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC:1:50-300

ELISA 1:20000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

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

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from NDR2 . at AA range: 380-460

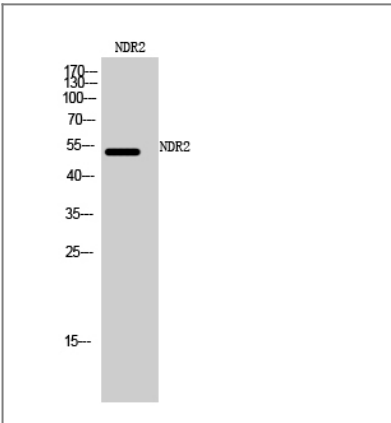
Specificity

NDR2 Polyclonal Antibody detects endogenous levels of NDR2 protein.

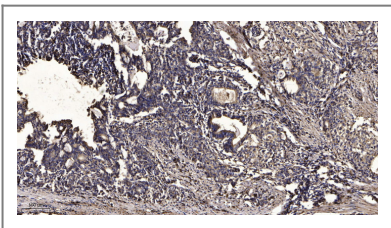
Target Information

Gene name	STK38L		
Protein Name	Serine/threonine-protein kinase 38-like		
	Organism	Gene ID	UniProt ID
	Human	23012 ;	Q9Y2H1 ;
	Mouse	232533 ;	Q7TSE6 ;
Cellular Localization	Cytoplasm. Cytoplasm, cytoskeleton. Membrane. Associated with the actin cytoskeleton. Co-localizes with STK24/MST3 in the membrane.		
Tissue specificity	Ubiquitously expressed with highest levels observed in the thymus.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Activated by binding of S100B which releases autoinhibitory N-lobe interactions, enabling ATP to bind and the autophosphorylation of Ser-282. Thr-442 then undergoes calcium-dependent phosphorylation by an upstream kinase. Interactions between phosphorylated Thr-442 and the N-lobe promote additional structural changes that complete the activation of the kinase. Autoinhibition is also released by the binding of MOB1/MOBKL1A and MOB2/HCCA2 to the N-terminal of STK38L.,Function:Involved in the regulation of structural processes in differentiating and mature neuronal cells.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,subcellular location:Associated with the actin cytoskeleton.,subunit:Homodimeric S100B binds two molecules of STK38L (By similarity). Interacts with MOB1 and MOB2.,tissue specificity:Ubiquitously expressed with highest levels observed in the thymus.,		

Validation Data



Western Blot analysis of mouse cells using NDR2 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

| Contact information

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NDR2 Rabbit pAb

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