

CY24A Rabbit pAb

CatalogNo: YN1733

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,ELISA

MW

- 21kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage*

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

Formulation

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

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human protein . at AA range: 80-160

Specificity

CY24A Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

CYBA

Protein Name Cytochrome b-245 light chain (Cytochrome b(558) alpha chain) (Cytochrome b558 subunit alpha) (Neutrophil cytochrome b 22 kDa polypeptide) (Superoxide-generating NADPH oxidase light chain subunit) (p22 phagocyte B-cytochrome) (p22-phox) (p22phox)

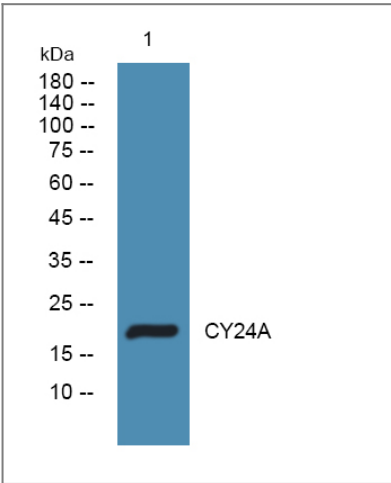
Organism	Gene ID	UniProt ID
Human	1535;	P13498;
Mouse		Q61462;
Rat		Q62737;

Cellular Localization Cell membrane . As unassembled monomer may localize to the endoplasmic reticulum. .

Tissue specificity Brain,

Function Disease:Defects in CYBA are a cause of chronic granulomatous disease autosomal recessive cytochrome-b-negative (ARCGD) [MIM:233690]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.,Function:Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. Associates with NOX3 to form a functional NADPH oxidase constitutively generating superoxide.,miscellaneous:The heme prosthetic group could be coordinated with residues of the light chain, the heavy chain, or both, and it is possible that more than one heme is present per cytochrome b-245.,online information:CYBA mutation db,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the p22phox family.,subunit:Composed of a heavy chain (beta) and a light chain (alpha). Interacts with DUOX1, DUOX2 and TPO. Interacts with NOX3 and NOX4.,

Validation Data



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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Please scan the QR code
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product information:
CY24A Rabbit pAb

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