

Dopamine beta Hydroxylase Rabbit pAb

Catalog Number: bs-0596R

Target Protein: Dopamine beta Hydroxylase

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1ug/Test)

Reactivity: Human, Rat (predicted:Mouse)

Predicted MW: 70 kDa

Entrez Gene: 1621

Swiss Prot: P09172

Source: KLH conjugated synthetic peptide derived from human DBH: 471-550/621.

Purification: affinity purified by Protein A

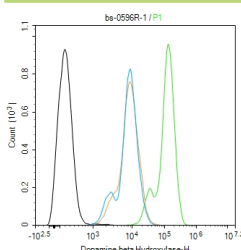
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

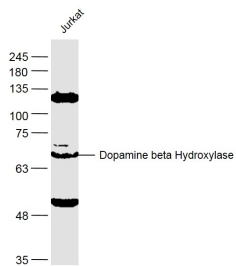
Background: Dopamine-beta-Hydroxylase (DBH), Dopamine can be transformed into Noradrenalin.

Conversion of dopamine to noradrenaline. [SUBUNIT] Homotetramer composed of two non-covalently bound disulfide-linked dimers. [SUBCELLULAR LOCATION] Soluble dopamine beta-hydroxylase: Cytoplasmic vesicle, secretory vesicle lumen. Cytoplasmic vesicle, secretory vesicle, chromaffin granule lumen. Cytoplasmic vesicle, secretory vesicle membrane; Single-pass type II membrane protein. Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane; Single-pass type II membrane protein (Potential). Belongs to the copper type II ascorbate-dependent monooxygenase family.

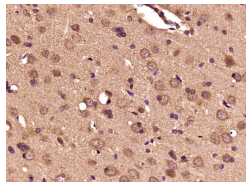
VALIDATION IMAGES



Blank control (black line) :SH-SY5Y. Primary Antibody (green line): Rabbit Anti-Dopamine beta Hydroxylase antibody (bs-0596R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Sample: Jurkat (Human) Cell Lysate at 40 ug Primary: Anti-Dopamine beta Hydroxylase (bs-0596R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 70 kD
Observed band size: 70 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DOPO) Polyclonal Antibody, Unconjugated (bs-0596R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.