

Dopamine beta Hydroxylase Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Bovine, Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Sheep / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues S(43) E P P E S P F P Y H I P L D P E G T L(62) of rat DBH.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	whole serum
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2089215

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:2,500	1 Publication

Product Specific Information

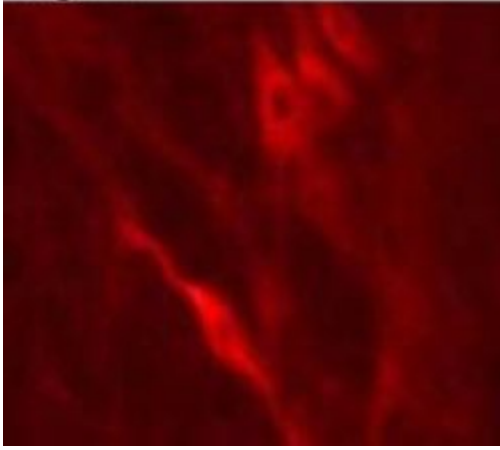
PA3-925 detects human, bovine, rat and mouse DBH. This antibody is not effective for immunohistochemistry in human brain.

PA3-925 has been successfully used in Western blot, immunohistochemistry and immunofluorescence procedures. By Western blot, this antibody detects an ~72 kDa protein representing DBH from rat neurons. In immunohistochemistry and immunofluorescence procedures, it specifically stains chromaffin cells of the adrenal medulla, and DBH containing cells of the sympathetic nervous system.

The PA3-925 immunogen is a synthetic peptide corresponding to residues S(43) E P P E S P F P Y H I P L D P E G T L(62) of rat DBH. This sequence is highly conserved (>85% homology) in human, bovine and mouse.

Product Images For Dopamine beta Hydroxylase Polyclonal Antibody

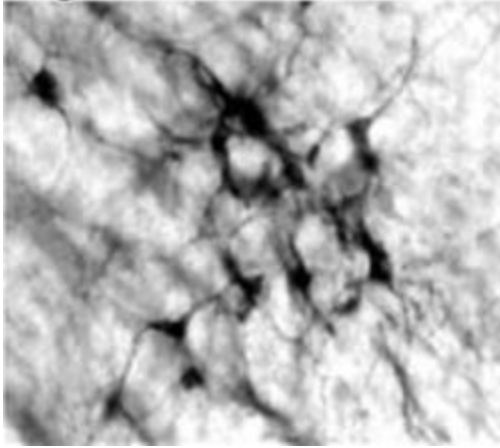
Fig. 2



Dopamine beta Hydroxylase Antibody (PA3-925) in ICC/IF

Immunofluorescent staining of DBH in rat neuron cells using Product # PA3-925.

Fig. 1



Dopamine beta Hydroxylase Antibody (PA3-925) in IHC

Immunofluorescent stain of DBH in rat neuron tissue using Product # PA3-925.

Immunohistochemistry (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Selective loss of catecholaminergic wake active neurons in a murine sleep apnea model.

"PA3-925 was used in immunohistochemistry to study the status of catecholaminergic wake-active neurons in mice subjected to long-term intermittent hypoxia protocol."

Authors: Zhu Y,Fenik P,Zhan G,Mazza E,Kelz M,Aston-Jones G,Veasey SC

Species
Mouse

Dilution
Not Cited

Year
2007

Immunocytochemistry (1)

The Journal of neuroscience : the official journal of the Society for Neuroscience

Near simultaneous release of classical and peptide cotransmitters from chromaffin cells.

"PA3-925 was used in immunocytochemistry to investigate the kinetics of peptide secretion from chromaffin cells."

Authors: Whim MD

Species
Mouse

Dilution
1:2,500

Year
2006

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