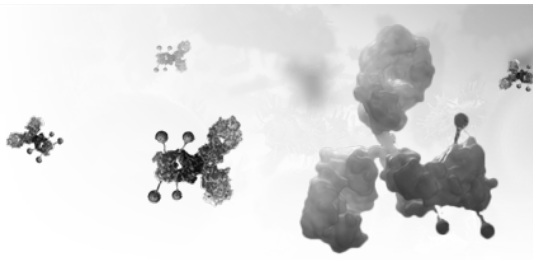

Anti-CSPS polyclonal antibody (DPAB2640RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal to catecholamine-sulfating phenol sulfotransferase.
Antigen Description	The human Catecholamine-Sulfating Phenol Sulfotransferase (CSPS) is the only sulfotransferase that catalyses the sulfation of catecholamins, in particular the neurotransmitter dopamine, with high activity. CSPS is required for stimulation by Mn2+ of the sulfating activity and expressed in the human intestine, brain, platelet and other tissues. In the brain it may play a role in regulating the levels of dopamine. It also serves as a detoxifying function in the intestine, where it may detoxify potentially lethal dietary monoamines.
Immunogen	Recombinant human protein purified from E.coli.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, IHC-P
Cellular Localization	Cytoplasm
Positive Control	Mouse brain
Format	HEPES with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol.
Size	100 µl
Preservative	0.03% Sodium Azide
Storage	Store for 1 year at -20 °C from date of shipment.

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GENE INFORMATION

Gene Name	SULT1A4 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4 [Homo sapiens]
Synonyms	SULT1A4; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4; Sulfotransferase 1A3/1A4; ST1A3; ST1A4; EC 2.8.2.1; Aryl sulfotransferase 1A3/1A4; Catecholamine-sulfating phenol sulfotransferase; CSPS; HAST3; M-PST; Monoamine-sulfating phenol sulfotransferase; Placental estrogen sulfotransferase; Sulfotransferase, monoamine-pre
Entrez Gene ID	445329
Protein Refseq	NP_001017390.1
UniProt ID	P0DMM9
Pathway	Activation of Chaperones by IRE1alpha; Biological oxidations; Cytosolic sulfonation of small molecules; Diabetes pathways; Metabolism; Phase II conjugation; Sulfur metabolism; Unfolded Protein Response; dopamine degradation; serotonin degradation
Function	aryl sulfotransferase activity; sulfotransferase activity; transferase activity

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