



Anti-Norepinephrine Transporter monoclonal antibody, clone OFU-06 (DCABY-863)

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

PRODUCT INFORMATION

Antigen Description	Norepinephrine Transporter [NET] (or noradrenaline transporter (NAT)) is a monoamine transporter that transports the neurotransmitter noradrenaline from the synapse back to its vesicles for storage until later use. It also appears to transport the neurotransmitter dopamine in the same way, but to a lesser degree. Studies have shown a decrease in NET levels in the locus coeruleus in patients diagnosed with major depression. Cocaine, amphetamines and many therapeutic antidepressants, such as the SNRIs (Serotonin-norepinephrine reuptake inhibitors) and the tricyclic antidepressants (TCAs) act to raise noradrenaline. Furthermore, deficits in the NET gene have been associated with ADHD.
Specificity	Specific for the ~55kDa Norepinephrine Transporter in Western blots of mouse and rat cortex homogenate. No reactivity with tissue or cells from NET knock-out mice.
Target	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Mouse, Rat
Clone	OFU-06
Conjugate	Unconjugated
Applications	WB
Molecular Weight	55 KDa
Format	Protein G purified culture supernatant.

Size	100 µl
Preservative	None
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Ship	Blue ice

GENE INFORMATION

Gene Name	Slc6a2 solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2 [Mus musculus (house mouse)]
Official Symbol	Slc6a2
Synonyms	Sodium-dependent noradrenaline transporter; Norepinephrine transporter; NET; Solute carrier family 6 member 2; Slc6a2
Entrez Gene ID	Mm.57040
Protein Refseq	NP_033235
UniProt ID	O55192
Chromosome Location	8 C5; 8 44.99 cM
Pathway	Na ⁺ /Cl ⁻ dependent neurotransmitter transporters; SLC-mediated transmembrane transport; Transmembrane transport of small molecules; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds; XPodNet - protein-protein interactions in the podocyte expanded by STRING
Function	alpha-tubulin binding; beta-tubulin binding; monoamine transmembrane transporter activity; neurotransmitter:sodium symporter activity; norepinephrine transmembrane transporter activity; symporter activity