

Norepinephrine Transporter Polyclonal Antibody

Catalog NumberPA5-42080

Product data sheet

Details		Species Reactivity	
Size	100 µl	Species reactivity	Bovine, Dog, Horse, Guinea pig, Human, Mouse, Rabbit, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Western Blot (WB)	0.2-1 µg/ml
Immunogen	Synthetic peptide directed towards the middle region of human SLC6A2	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/ml		
Purification	Affinity Chromatography		
Storage buffer	PBS with 2% sucrose		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

Peptide sequence: FTPAAEFYER GVLHLHESSG IHDIGLPQWQ LLLCLMVVVI VLYFSLWKGV Sequence homology: Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%

Background/Target Information

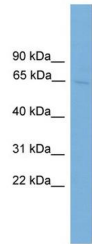
Norepinephrine Transporter [NET, or noradrenaline transporter (NAT)] is a monoamine transporter that transports the neurotransmitter noradrenaline from the synapse back to its vesicles for storage until later use. It also appears to transport the neurotransmitter dopamine in the same way, but to a lesser 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.

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Norepinephrine Transporter Antibody (PA5-42080) in WB

Western blot analysis of human HepG2 cell lysate using an anti-Norepinephrine Transporter polyclonal antibody (Product # PA5-42080).

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