

Cat.No. 260 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (see remarks) IP: not tested yet ICC: not tested yet IHC: 1 : 200 IHC-P/FFPE: not tested yet
Immunogen	Synthetic peptide corresponding to AA 189 to 204 from rat NET (UniProt Id: Q63380_RAT)
Reactivity	Reacts with: rat (Q63380), mouse (O55192). Other species not tested yet.
Specificity	Specific for NET.
matching control	260-OP
Remarks	WB: This protein tends to aggregate after boiling, making it necessary to run SDS-PAGE with non-boiled samples.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The **norepinephrine (NE) transporter (NET)**, also referred to as Sodium-dependent noradrenaline transporter, is expressed on the plasma membranes of noradrenergic neurons. It is responsible for the inactivation of synaptically released NE and is a target for many antidepressants and psychostimulants.

Selected References SYSY Antibodies

Altered dopamine release and monoamine transporters in Vps35 p.D620N knock-in mice.
Cataldi S, Follett J, Fox JD, Tatarnikov I, Kadgien C, Gustavsson EK, Khinda J, Milnerwood AJ, Farrer MJ
NPJ Parkinson's disease (2018) 4: 27. **WB; tested species: mouse**

Selected General References

Insulin reveals Akt signaling as a novel regulator of norepinephrine transporter trafficking and norepinephrine homeostasis.
Robertson SD, Matthies HJ, Owens WA, Sathananthan V, Christianson NS, Kennedy JP, Lindsley CW, Daws LC, Galli A
The Journal of neuroscience : the official journal of the Society for Neuroscience (2010) 30(34): 11305-16.

Dependence of serotonergic and other nonadrenergic enteric neurons on norepinephrine transporter expression.
Li Z, Caron MG, Blakely RD, Margolis KG, Gershon MD
The Journal of neuroscience : the official journal of the Society for Neuroscience (2010) 30(49): 16730-40.

Cross-talk between dopaminergic and noradrenergic systems in the rat ventral tegmental area, locus ceruleus, and dorsal hippocampus.
Guiard BP, El Mansari M, Blier P
Molecular pharmacology (2008) 74(5): 1463-75.

Immunolocalization of the cocaine- and antidepressant-sensitive l-norepinephrine transporter.
Schroeter S, Apparsundaram S, Wiley RG, Miner LH, Sesack SR, Blakely RD
The Journal of comparative neurology (2000) 420(2): 211-32.

Hippocampus norepinephrine, caudate dopamine and serotonin, and behavioral responses to the stereoisomers of amphetamine and methamphetamine.
Kuczenski R, Segal DS, Cho AK, Melega W
The Journal of neuroscience : the official journal of the Society for Neuroscience (1995) 15(2): 1308-17.