


Product datasheet

Anti-Dopamine Receptor D3 antibody ab125467

1 Image

Overview

Product name	Anti-Dopamine Receptor D3 antibody
Description	Rabbit polyclonal to Dopamine Receptor D3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Rat, Dog, African green monkey 
Immunogen	Synthetic peptide corresponding to a region within the C terminal amino acids 270-319 (QERGGELKRE EKTRNSLMPL REKKATQMVA MLGAFVCW LPFFLTHVLN) of the Human Dopamine Receptor D3 protein (NP_387512). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	HepG2 cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituents: 97% PBS, 2% Sucrose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

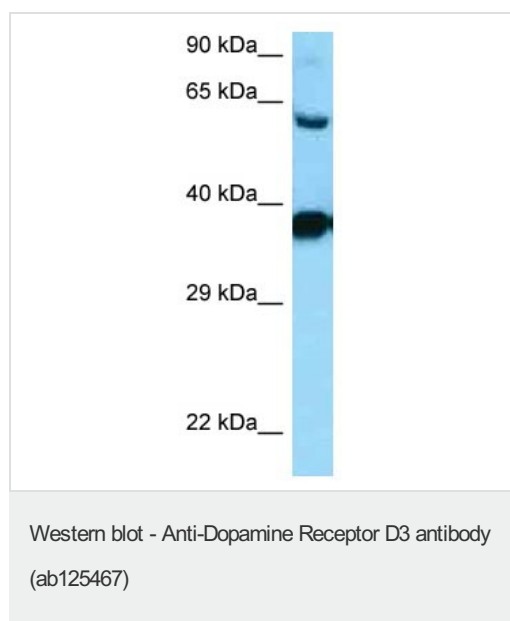
Our [Abpromise guarantee](#) covers the use of **ab125467** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 41 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	This is one of the five types (D1 to D5) of receptors for dopamine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase. Promotes cell proliferation.
Tissue specificity	Brain.
Involvement in disease	Genetic variation in DRD3 is associated with essential tremor hereditary type 1 (ETM1) [MIM:190300]. ETM1 is the most common movement disorder. The main feature is postural tremor of the arms. Head, legs, trunk, voice, jaw, and facial muscles also may be involved. The condition can be aggravated by emotions, hunger, fatigue and temperature extremes, and may cause a functional disability or even incapacitation. Inheritance is autosomal dominant.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Post-translational modifications	Phosphorylated by GRK4 (GRK4-alpha and GRK4-gamma).
Cellular localization	Cell membrane. Both membrane-bound and scattered in the cytoplasm during basal conditions. Receptor stimulation results in the rapid internalization and sequestration of the receptors at the perinuclear area (5 and 15 minutes), followed by the dispersal of the receptors to the membrane (30 minutes). DRD3 and GRK4 co-localize in lipid rafts of renal proximal tubule cells.

Images



Anti-Dopamine Receptor D3 antibody (ab125467) at 1 µg/ml + HepG2 cell lysate at 10 µg

Predicted band size: 41 kDa

Gel concentration: 12%

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors