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Product datasheet for TA323615

eNOS (NOS3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:500-1000, IF: 1:100-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around aa.1175~1179 (T-Q-S-F-S) derived from Human eNOS.
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	140 kDa
Gene Name:	nitric oxide synthase 3
Database Link:	NP_000594 Entrez Gene 18127 MouseEntrez Gene 24600 RatEntrez Gene 4846 Human P29474
Background:	Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.
Synonyms:	ECNOS; eNOS
Protein Families:	Druggable Genome

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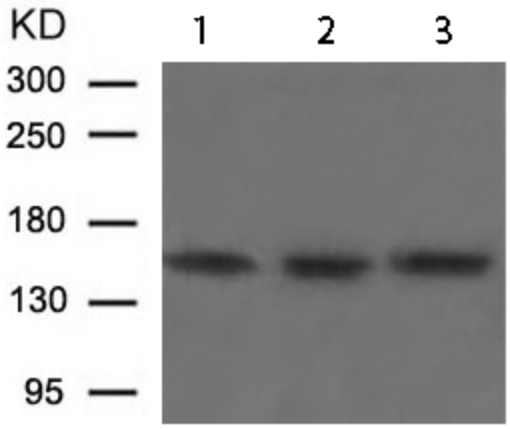
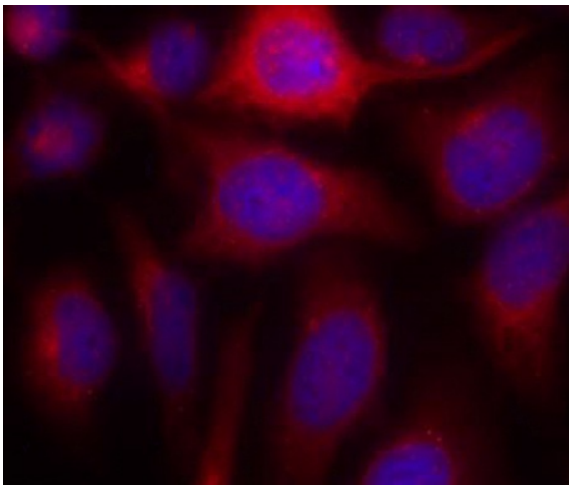
Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Arginine and proline metabolism, Calcium signaling pathway, Long-term depression, Metabolic pathways, Pathways in cancer, Small cell lung cancer, VEGF signaling pathway

Product images:



Predicted band size: 140 kDa. Positive control: Rat heart, Mouse heart and Rat kidney tissue lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1: Rat heart lysate Lane 2: Mouse heart lysate Lane 3: Rat kidney tissue lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Cell membrane. Positive control: Hela cells. Recommended dilution: 1/ 100-200 The image is immunofluorescence of methanol-fixed Hela cells using NOS3 antibody at dilution 1/100. (Original magnification: ×200)