

ARG41407 anti-NOXO1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOXO1
Tested Reactivity	Hu
Predict Reactivity	Cow, Hrs
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOXO1
Species	Human
Immunogen	Synthetic peptide derived from Human NOXO1. (within the following region: HSLEAQLRLCLQPFCTQDTRDPFQAQAQESLDVLLRHPSGWVLVENEEDR)
Conjugation	Un-conjugated
Alternate Names	NADPH oxidase regulatory protein; Nox organizer 1; SH3PXD5; P41NOX; Nox-organizing protein 1; SNX28; NADPH oxidase organizer 1; P41NOXC; P41NOXB; P41NOXA; SH3 and PX domain-containing protein 5

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 77%; Horse: 77%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	WB	1 µg/ml
Application	Dilution				
WB	1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Human kidney				
Observed Size	40 kDa				

Properties

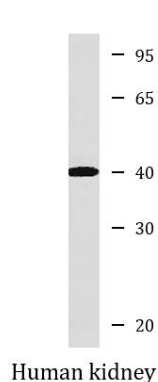
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NOXO1
Gene Full Name	NADPH oxidase organizer 1
Background	This gene encodes an NADPH oxidase (NOX) organizer, which positively regulates NOX1 and NOX3. The protein contains a PX domain and two SH3 domains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]
Function	Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 1 in activating NOX3. Together with NOXA1, may also substitute to NCF1/p47phox and NCF2/p67phox in supporting the phagocyte NOX2/gp91phox superoxide-generating activity. [UniProt]
Calculated Mw	41 kDa
Cellular Localization	Isoform 3: Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Isoform 3 associates with the plasma membrane in a lipid-dependent manner (PubMed:12716910). [UniProt]

Images



ARG41407 anti-NOXO1 antibody WB image

Western blot: Human kidney lysate stained with ARG41407 anti-NOXO1 antibody at 1 µg/ml dilution.