

Product datasheet for **TA323912S**

NADPH oxidase 4 (NOX4) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human gastric cancer Predicted cell location: cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 210-424 amino acids of human NADPH oxidase 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	NADPH oxidase 4
Database Link:	NP_058627 Entrez Gene 50490 Mouse Entrez Gene 85431 Rat Entrez Gene 50507 Human Q9NPH5

Background: This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been implicated in numerous biological functions including signal transduction; cell differentiation and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11. Alternative splicing results in multiple transcript variants.

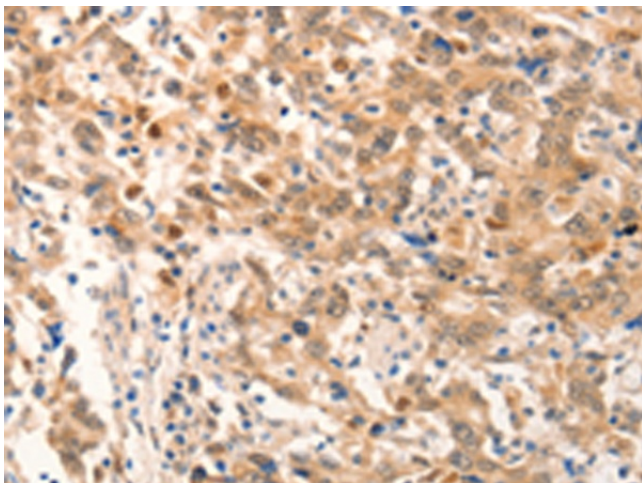
Synonyms: KOX; KOX-1; RENOX



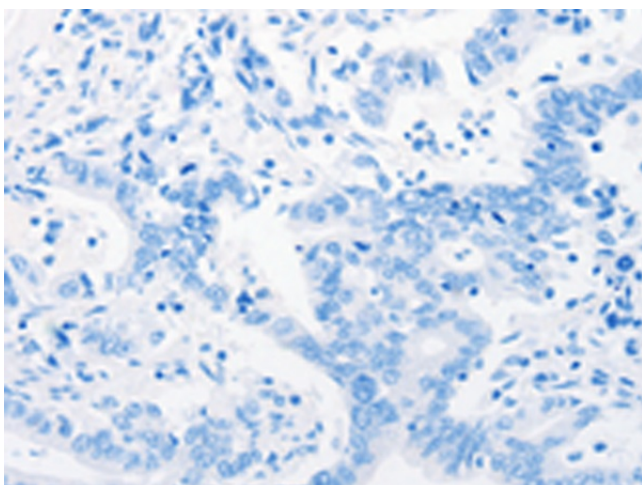
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Protein Families: Druggable Genome, Transmembrane

Product images:



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA323912] (NOX4 Antibody) at dilution 1/20 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA323912] (NOX4 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: $\times 200$)