ARG65208
anti-PON2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PON2
Tested Reactivity	Hu
Predict Reactivity	Dog, Rat, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize isoforms 1 and 2 (NP_000296.2; NP_001018171.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PON2
Species	Human
Immunogen	C-EKPRARELRIS
Conjugation	Un-conjugated
Alternate Names	Aromatic esterase 2; EC 3.1.1.81; A-esterase 2; Serum paraoxonase/arylesterase 2; Serum aryldialkylphosphatase 2; PON 2; EC 3.1.1.2

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.2 - 0.6 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

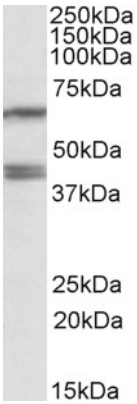
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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

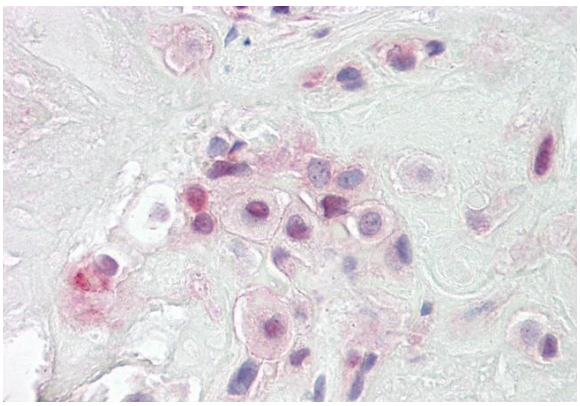
Database links	GeneID: 5445 Human Swiss-port # Q15165 Human
Background	This gene encodes a member of the paraoxonase gene family, which includes three known members located adjacent to each other on the long arm of chromosome 7. The encoded protein is ubiquitously expressed in human tissues, membrane-bound, and may act as a cellular antioxidant, protecting cells from oxidative stress. Hydrolytic activity against acylhomoserine lactones, important bacterial quorum-sensing mediators, suggests the encoded protein may also play a role in defense responses to pathogenic bacteria. Mutations in this gene may be associated with vascular disease and a number of quantitative phenotypes related to diabetes. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	39 kDa
PTM	The signal sequence is not cleaved.

Images



ARG65208 anti-PON2 antibody WB image

Western Blot: HepG2 lysate (35 µg protein in RIPA buffer) stained with ARG65208 anti-PON2 antibody at 0.2 µg/ml dilution.



ARG65208 anti-PON2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65208 anti-PON2 antibody at 3.75 µg/ml dilution followed by AP-staining.