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Anti-Paraoxonase β-type/arylesterase β-type precursor(PON1)(125-170), Chicken Polyclonal Antibody

Catalog No. PY-10243 **Quantity:** 100μg **Applications:** Western blot, IHC
Antigen species: Human **Reactivity:** Human
Host species: Chicken **Form:** Antigen affinity purified antibody

Target description

Paraoxonase 1 (PON1) is a serum enzyme closely associated with high density lipoprotein (HDL). PON1 hydrolyzes several organo-phosphorus compounds used as insecticides, as well as nerve agents; it metabolizes toxic oxidized lipids associated with both low density lipoprotein (LDL) and HDL.

Antigen

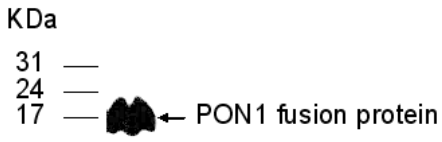
This polyclonal antibody was raised by immunizing chicken with paraoxonase B type/ arylesterase B-type precursor, A-esterase 1, PON 1, Aromatic esterase 1 fusion protein.

Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1: 3,000 (ECL method), for tissue or cell staining is 1: 150. Optimal working dilutions must be determined by the end user.

Related Products

1. Anti-PON(68-124), chicken pAb (PY-10294)



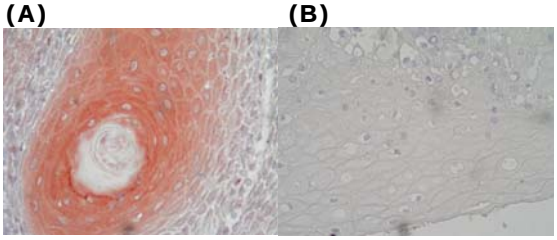
E. coli derived protein as test antigen.

Western blot protocol

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 3,000 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-HRP) at dilution 1:10,000 for ECL (with 1%milk PBS-T) at R.T. for 1 h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

AEC method Tissue staining:

(A) **(B)**



(A) Oral cancer epithelium, PON1 (1: 150)
(B) Oral epithelium, negative control

Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

References

1. Ng, C.J., Shih, D.M., Hama, S.Y., Villa, N., Navab, M., Reddy, S.T. The paraoxonase gene family and atherosclerosis. *Free Radic Biol Med.* 2005 Jan 15; 38(2):153-63.
2. Costa, L.G., Vitalone, A., Cole, T.B., Furlong, C.E. Modulation of paraoxonase (PON1) activity. *Biochem Pharmacol.* 2005 Feb 15; 69(4):541-50.