

PON1 / Paraoxonase 1 Antibody

Mouse Monoclonal Antibody [Clone PON1/1351]

Catalog No	Format	Size
5444-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5444-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5444-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

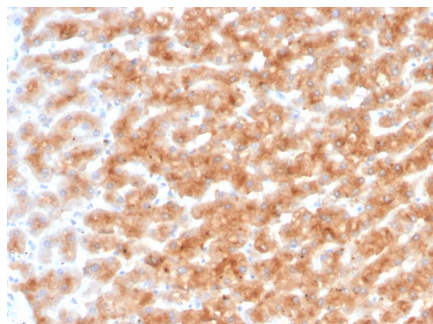
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

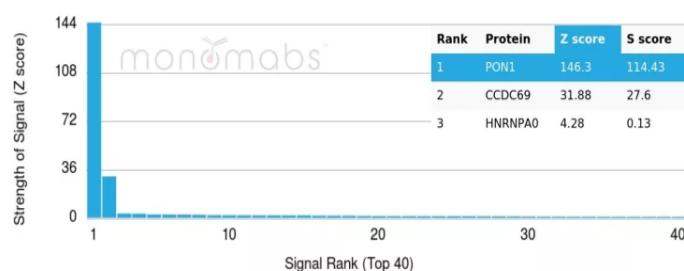
Clone	PON1/1351
Gene Name	PON1
Immunogen	Recombinant fragment (around aa1-200) of human PON1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	43kDa
Cellular Localization	Secreted. Extracellular space.
Species Reactivity	Human
Positive Control	Human liver.

**Optimal dilution for a specific application should be determined.*

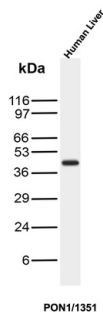
Product Images for PON1 / Paraoxonase 1 Antibody



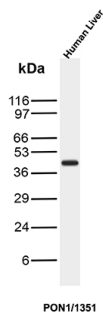
Formalin-fixed, paraffin-embedded human liver stained with PON1 Mouse Monoclonal Antibody (PON1/1351). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



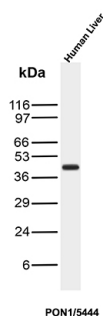
Analysis of Protein Array containing more than 19,000 full-length human proteins using PON1 Mouse Monoclonal Antibody (PON1/1351). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



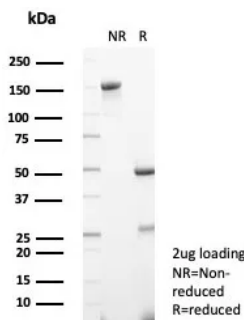
Western blot analysis of human liver tissue lysates using PON1 Mouse Monoclonal Antibody (PON1/1351).



Western blot analysis of human liver tissue lysates using PON1 Mouse Monoclonal Antibody (PON1/1351).



Western blot analysis of human liver tissue lysates using PON1 Mouse Monoclonal Antibody (PON1/1351).



SDS-PAGE Analysis of Purified PON1 Mouse Monoclonal Antibody (PON1/1351). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Paroxon is an organophosphorus anticholinesterase compound, used topically in the treatment of glaucoma. It is produced in vivo in mammals by microsomal oxidation of the insecticide parathion. Parathion is inert until transformed to paroxon. Paroxonase or PON is an arylesterase that is capable of hydrolyzing paroxon to produce p-nitrophenol. PONs are nonspecific and their classification is based not only on substrate specificity but also on tissue distribution, inhibition properties and physicochemical characteristics such as electrophoretic mobility and molecular weight. In contrast to PON1, which is expressed mainly in the liver, PON2 is expressed in a variety of mouse tissues, including the pancreas. PON3 is associated with the high density lipoprotein fraction of serum. The genes which encode PON1-3 are physically linked and map to human chromosome 7q21.3.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular