FOLH1 / PSMA (Prostate Epithelial Marker) Antibody

Mouse Monoclonal Antibody [Clone FOLH1/2363]

Catalog No	Format	Size
2346-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2346-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2346-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

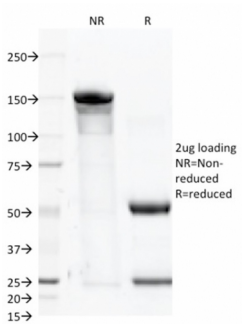
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	FOLH1/2363
Gene Name	FOLH1
Immunogen	Recombinant human FOLH1 protein fragment (around aa 232-433) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	100kDa
Cellular Localization	Cell membrane, Cytoplasm
Species Reactivity	Cow, Dog, Human, Rat
Positive Control	LNCap or HepG2 cells. Prostate Carcinoma.

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

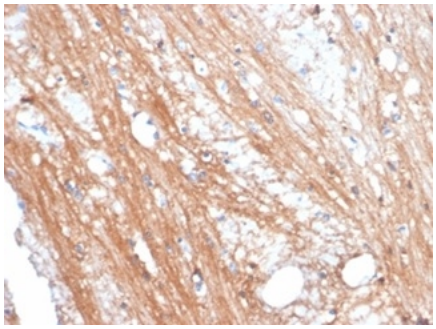
Product Images for FOLH1 / PSMA (Prostate Epithelial Marker) Antibody



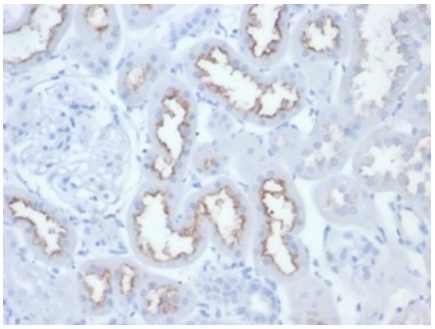
SDS-PAGE Analysis Purified FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363). Confirmation of Purity and Integrity of Antibody.



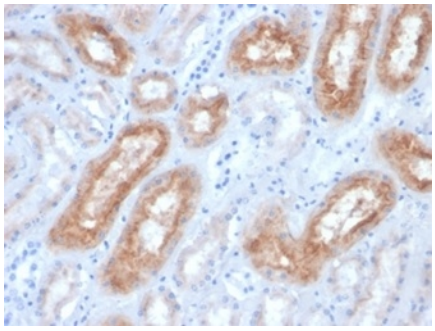
Formalin-fixed, paraffin-embedded human prostate cancer stained with FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363).



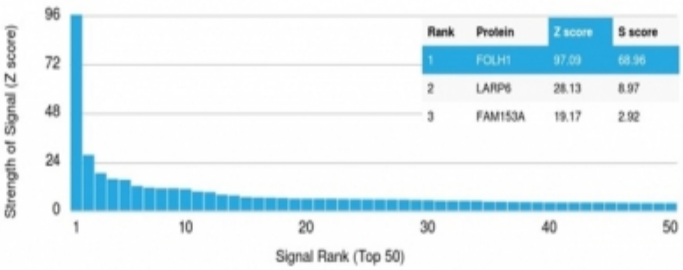
IHC analysis of formalin-fixed, paraffin-embedded cow brain. Tissue stained using FOLH1/2363 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



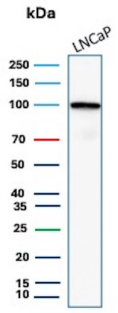
IHC analysis of formalin-fixed, paraffin-embedded rat kidney. Tissue stained using FOLH1/2363 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



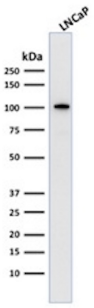
IHC analysis of formalin-fixed, paraffin-embedded dog kidney. Tissue stained using FOLH1/2363 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



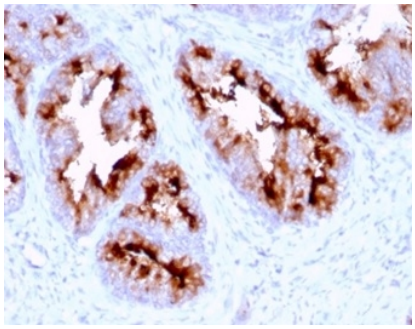
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 LNCaP lysate using FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363).



Western Blot Analysis of LNCaP lysate using FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2363). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Folate hydrolase 1 (FOLH1), also known as Prostate-specific membrane antigen (PSMA), is a type II transmembrane glycoprotein belonging to the M28 peptidase family. FOLH1 has two enzymatic activities, one as a prostate-specific integral membrane folate hydrolase and the other as a carboxypeptidase In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer.

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

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.