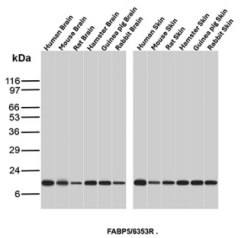
Fatty Acid Binding Protein 5 Antibody / FABP5 [clone FABP5/6353R] (V9496)

Catalog No.	Formulation	Size
V9496-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9496-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9496SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

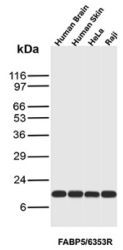
Recombinant RABBIT MONOCLONAL

Bulk quote request

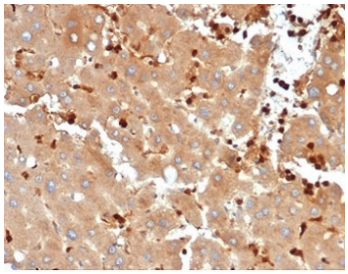
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Hamster, Rabbit, Guinea pig
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	FABP5/6353R
Purity	Protein A/G affinity
UniProt	Q01469
Localization	Nuclear, Cytoplasmic
Applications	Western blot: 1-2ug/ml (Human/Mouse/Rat/Hamster/Rabbit/Guinea pig) Immunohistochemistry (FFPE): 1-2ug/ml (Human)
Limitations	This Fatty Acid Binding Protein 5 antibody is available for research use only.



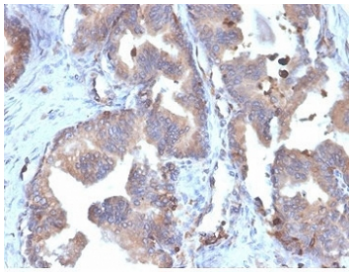
Fatty Acid Binding Protein 5 Antibody Multi-Species Brain and Skin WB. Western blot analysis of human brain, mouse brain, rat brain, hamster brain, guinea pig brain, rabbit brain, human skin, mouse skin, rat skin, hamster skin, guinea pig skin, and rabbit skin tissue lysates using Fatty acid-binding protein 5 antibody clone FABP5/6353R. A band is detected at approximately 15 kDa across brain and skin samples from multiple mammalian species, consistent with the predicted molecular weight of Fatty acid-binding protein 5 / FABP5. The conserved expression pattern aligns with the established role of FABP5 in epidermal lipid transport, keratinocyte fatty acid metabolism, and neural lipid signaling pathways.



Fatty Acid Binding Protein 5 Antibody Cell and Tissue WB. Western blot analysis of human brain, human skin, HeLa, and Raji lysates using Fatty acid-binding protein 5 antibody clone FABP5/6353R. A clear band is detected at approximately 15 kDa across all tested samples, consistent with the predicted molecular weight of Fatty acid-binding protein 5 / FABP5. The observed expression pattern is consistent with the known role of FABP5 in epidermal lipid transport, fatty acid metabolism, and cellular lipid signaling within epithelial and proliferative cell populations.



IHC staining of FFPE human liver cancer metastasized to colon tissue with recombinant Fatty Acid Binding Protein 5 antibody (clone FABP5/6353R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate carcinoma tissue with recombinant Fatty Acid Binding Protein 5 antibody (clone FABP5/6353R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Fatty Acid Binding Protein 5 Antibody specifically detects FABP5, an intracellular carrier for long-chain fatty acids and related active lipids, such as endocannabinoids that regulate the metabolism and actions of the ligands they bind. It also selectively delivers specific fatty acids from the cytosol to the nucleus, wherein they activate nuclear receptors.

Explore our central FABP5 antibody page for additional western blot, immunohistochemistry, and microarray specificity validation data supporting studies of lipid transport, epidermal biology, and metabolic signaling pathways.

Application Notes

Optimal dilution of the Fatty Acid Binding Protein 5 antibody should be determined by the researcher.

Immunogen

Recombinant human full-length protein was used as the immunogen for the recombinant Fatty Acid Binding Protein 5 antibody.

Storage

Aliquot the Fatty Acid Binding Protein 5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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