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FABP5 (D1A7T) Rabbit mAb**Cell Signaling**
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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IHC-P	H M R	Endogenous	15	Rabbit IgG	#Q01469	2171

Product Usage Information**Application**Western Blotting
Immunohistochemistry (Paraffin)**Dilution**1:1000
1:1200**Storage**

For a carrier free (BSA and azide free) version of this product see product #28402.

Specificity / Sensitivity

FABP5 (D1A7T) Rabbit mAb recognizes endogenous levels of total FABP5 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human FABP5 protein.

Background

Fatty acid binding proteins (FABPs) bind to fatty acids and other lipids to function as cytoplasmic lipid chaperones (1). They participate in the transport of fatty acids and other lipids to various cellular pathways (1). They are critical mediators of metabolic processes, and are increasingly being understood to play key roles in disease (2). FABP5 is known as the epidermal fatty acid binding protein as it was originally identified in studies on psoriasis (3) where it was shown to play a role in keratinocyte differentiation (4). It has since been found to play diverse roles in other normal physiological processes as well as in disease states (5).

Background References

1. Haunerland, N.H. and Spener, F. (2004) *Prog Lipid Res* 43, 328-49.
2. Hotamisligil, G.S. and Bernlohr, D.A. (2015) *Nat Rev Endocrinol* 11, 592-605.
3. Madsen, P. et al. (1992) *J Invest Dermatol* 99, 299-305.
4. Siegenthaler, G. et al. (1994) *Biochem J* 302 (Pt 2), 363-71.
5. Thumser, A.E. et al. (2014) *Curr Opin Clin Nutr Metab Care* 17, 124-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key**WB:** Western Blotting **IHC-P:** Immunohistochemistry (Paraffin)**Cross-Reactivity Key**

H: human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster
X: Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse
GP: Guinea Pig **Rab:** rabbit **All:** all species expected

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