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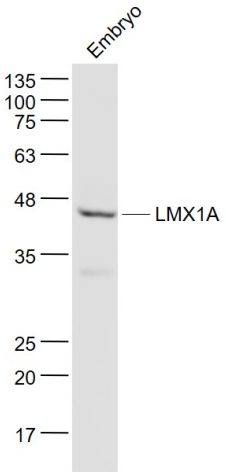
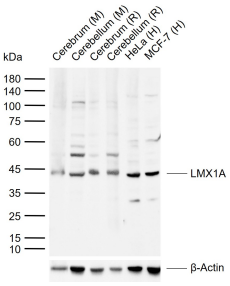
LMX1A Rabbit pAb

Catalog Number:	bs-12386R
Target Protein:	LMX1A
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human, Mouse, Rat (predicted:Pig, Sheep, Cow, Chicken, Dog, Horse)
Predicted MW:	43 kDa
Entrez Gene:	4009
Swiss Prot:	Q8TE12
Source:	KLH conjugated synthetic peptide derived from human LMX1A: 151-250/382.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	LMX1A belongs to the LIM-homeodomain family. Members of this family are known to be important for pattern formation during development. LMX1A functions in the nucleus as a transcriptional activator to the insulin gene promoter. In the developing embryo, LMX1A is expressed along the neuraxis and leads to the development of the roof plate of the vertebrae. Two isoforms of LMX1A exist due to alternative splicing. Isoform 1 represents the full length protein and is expressed in many tissues including fetal brain, but is absent in heart, liver, spleen and testis. The second isoform, designated LMX1A-4AB, lacks amino acids 1-249 and is expressed in testis.

VALIDATION IMAGES



Sample: Embryo (Mouse) Lysate at 40 ug Primary: Anti- LMX1A (bs-12386R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Rat Cerebrum tissue lysates Lane 4: Rat Cerebellum tissue lysates Lane 5: Human HeLa cell lysates Lane 6: Human MCF-7 cell lysates Primary: Anti-LMX1A (bs-12386R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kDa Observed band size: 43 kDa

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.12] Sato et al. Microfabric Vessels for Embryoid Body Formation and Rapid Differentiation of Pluripotent Stem Cells. (2016) Sci.Rep. 6:31063 IF ; Human . 27507707