

# HOXA5 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Mouse, Rat, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthesized peptide derived from N-terminal of human HXA5.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2635498

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunocytochemistry (ICC/IF)	1:100	-

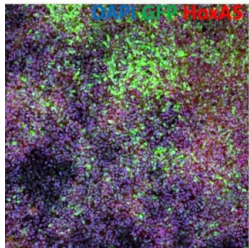
## Product Specific Information

The antibody detects endogenous levels of total HOXA5 protein.

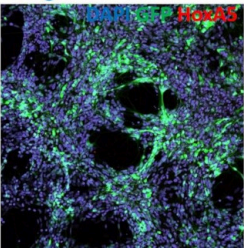
This antibody detects HoxA5 in cervical neuromesodermal progenitors.

## Product Images For HOXA5 Polyclonal Antibody

72 MNs



Negative ctrl 216 MNs



### HOXA5 Antibody (PA5-50045) in ICC/IF

Immunofluorescent analysis of HoxA5 (red) in HUES3::Hb9-GFP human embryonic stem cells patterned to cervical neuromesodermal progenitors as previously described (Lippmann et. al. 2015) and subsequently differentiated into motor neurons (green) using smoothened agonist, purmorphamine and retinoic acid. The cells were fixed with 4% paraformaldehyde for 10 minutes and blocked with 5% normal donkey serum in tris buffered saline containing 0.3% Triton-X (TBSDT) for at least one hour at 4C. Cells were stained with a monoclonal HoxA5 antibody (Product # PA5-50045; 1:100) and GFP antibody in TBSDT overnight at 4C, washed, and then incubated with an Alexa Fluor secondary antibodies (1:500) for one hour at room temperature. Nuclei (blue) were counterstained with DAPI. Images were taken on a Nikon AR1 confocal microscope at 40X magnification. Data courtesy of Dr Ashton's lab at University of Wisconsin at Madison.

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