

# HMGA1 Polyclonal Antibody

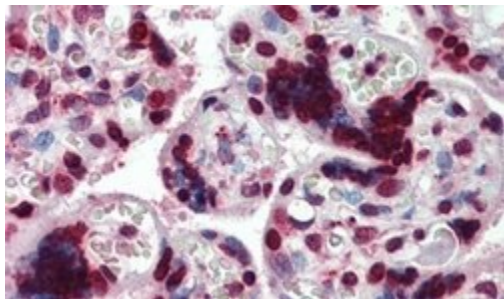
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Goat / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide sequence (SQPLASKQEKGDT) corresponding to the internal amino acids of HMGA1
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	TBS, pH 7.3, with 0.5% BSA
Contains	0.02% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10983527

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	3.75 µg/mL	-
Western Blot (WB)	0.5-1 µg/mL	-

## Product Specific Information

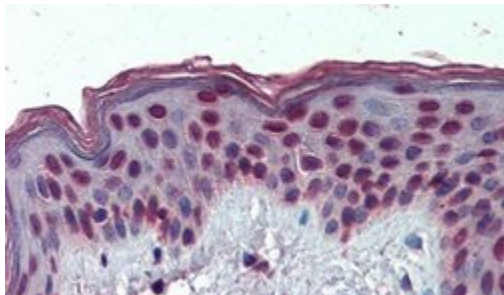
This antibody is predicted to react with bovine, canine, mouse, porcine and rat based on sequence homology.

## Product Images For HMGA1 Polyclonal Antibody



### HMGA1 Antibody (PA5-19184) in IHC

Immunohistochemical analysis of HMGA1 in Human Placenta using a HMGA1 monoclonal antibody (Product #PA5-19184) at 3.75  $\mu\text{g}/\text{mL}$ . The Human Placenta tissue section was paraffin embedded and detected using steamed antigen retrieval with citrate buffer pH 6, AP-staining.

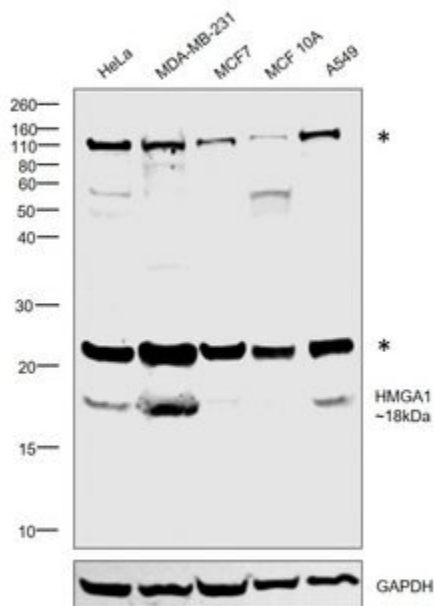


### HMGA1 Antibody (PA5-19184) in IHC

Immunohistochemical analysis of HMGA1 in Human Skin using a HMGA1 monoclonal antibody (Product #PA5-19184) at 3.75  $\mu\text{g}/\text{mL}$ . The Human Skin tissue section was paraffin embedded and detected using steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### HMGA1 Antibody (PA5-19184) in WB

Western blot was performed using Anti-HMGA1 Polyclonal Antibody (Product # PA5-19184) and an 18 kDa band, corresponding to HMGA1 was observed in all cell lysates tested. Expression of HMGA1 correlated with the tumorigenic potential of breast cancer cell lines with higher expression being observed for MDA-MB-231 as compared to MCF7 and MCF 10A [10.1128/MCB.21.2.575-594.2001]. Modified whole cell extracts (1% SDS) (30  $\mu\text{g}$  lysate) of HeLa (Lane 1), MDA-MB-231 (Lane 2), MCF7 (Lane 3), MCF 10A (Lane 4) and A549 (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1  $\mu\text{g}/\text{mL}$ ) and detected by Rabbit anti-Goat IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27014, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Two uncharacterized bands (\*) was also observed at ~22 kDa and 110 kDa.



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