

# Product Datasheet

## ErbB2/Her2 Antibody (OTI4F10) NBP2-01152

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-01152**

ErbB2/Her2 Antibody (OTI4F10)

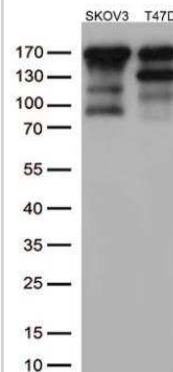
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI4F10
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	137.7 kDa

Product Description	
<b>Description</b>	Novus Biologicals Mouse ErbB2/Her2 Antibody (OTI4F10) (NBP2-01152) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-ErbB2/Her2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	2064
<b>Gene Symbol</b>	ERBB2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Specificity/Sensitivity</b>	Antibody specificity evaluation by using microarray chip and WB analysis showed that this antibody cross-reacts with CDH1 recombinant protein in overexpression lysates.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 676-1255 of human ERBB2(NP_004439) produced in HEK293T cell.

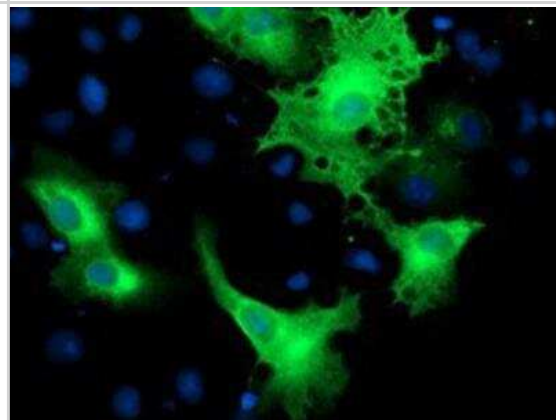
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry Whole-Mount
<b>Recommended Dilutions</b>	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, Immunohistochemistry Whole-Mount Reported in scientific literature (PMID:34944780)

## Images

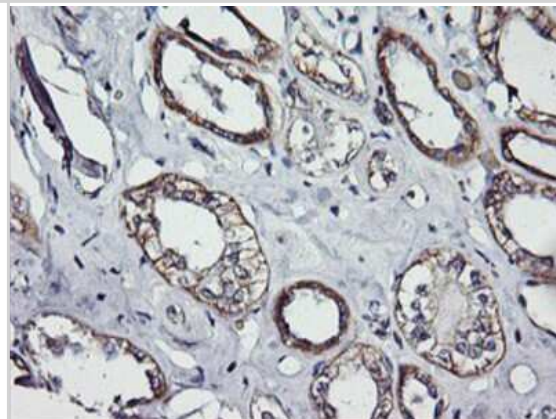
Western Blot: ErbB2/Her2 Antibody (OTI4F10) [NBP2-01152] - Analysis of extracts (35ug) from 2 different Human cell lines, dilution (1:500).



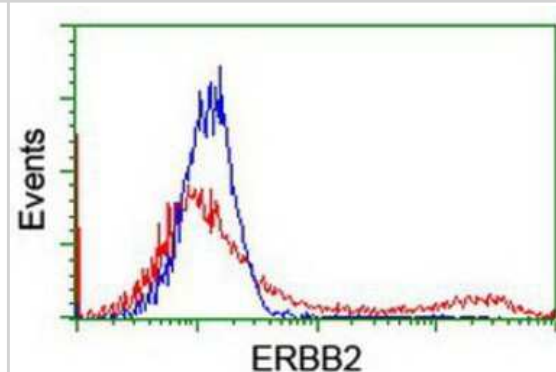
Immunocytochemistry/Immunofluorescence: ErbB2/Her2 Antibody (OTI4F10) [NBP2-01152] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY ErbB2/HER2.



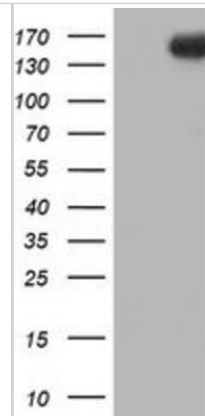
Immunohistochemistry-Paraffin: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - Staining of paraffin-embedded Human Kidney tissue using anti-ErbB2/HER2 mouse monoclonal antibody.



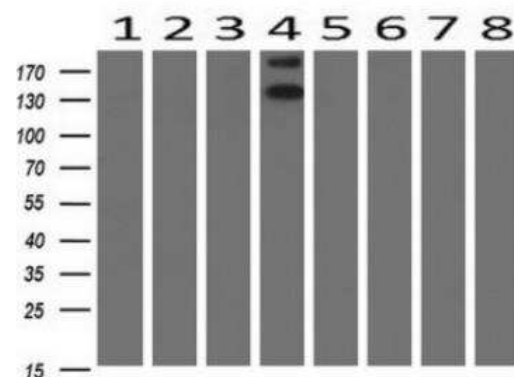
Flow Cytometry: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-ErbB2/HER2 antibody, and then analyzed by flow cytometry.



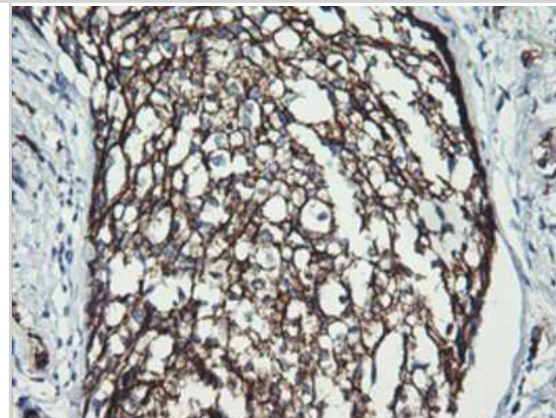
Western Blot: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ErbB2/HER2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ErbB2/HER2.



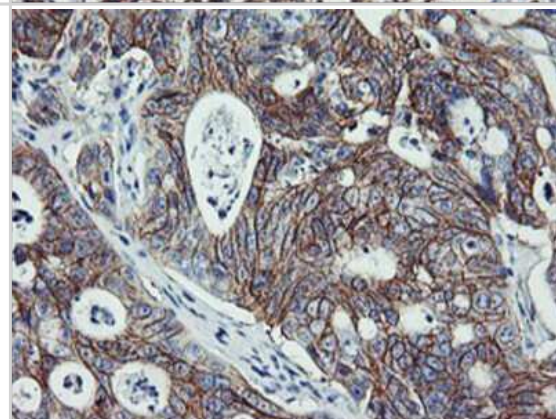
Western Blot: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - 1: Testis; 2: Uterus; 3: Breast; 4: Brain; 5: Liver; 6: Ovary; 7: Thyroid gland; 8: Colon.



Immunohistochemistry-Paraffin: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - Staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-ErbB2/HER2 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: ErbB2/HER2 Antibody (4F10) [NBP2-01152] - Staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-ErbB2/HER2 mouse monoclonal antibody.



## Publications

Chakrabarti J, Koh V, Steele N et al. Disruption of Her2-Induced PD-L1 Inhibits Tumor Cell Immune Evasion in Patient-Derived Gastric Cancer Organoids Cancers 2021-12-07 [PMID: 34944780] (IHC-WhMt, Human)



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### **Products Related to NBP2-01152**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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