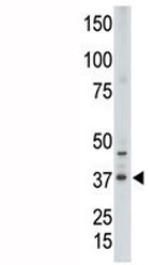
CDX2 Antibody (F49447)

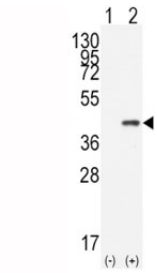
Catalog No.	Formulation	Size
F49447-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49447-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

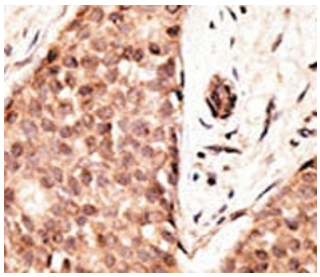
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q99626
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This CDX2 antibody is available for research use only.



Western blot testing of CDX2 antibody and human placenta tissue lysate. Predicted molecular weight: 33-40 kDa.



Western blot analysis of CDX2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the human gene (2).



IHC analysis of FFPE human breast carcinoma tissue stained with the CDX2 antibody

Description

The caudal type homeo box transcription factors 1 (CDX1) and 2 (CDX2) are candidates for directing intestinal development, differentiation, and maintenance of the intestinal phenotype. CDX1 and CDX2 expression is widely present in the human intestinal and colonic mucosae, but not in the gastric mucosa, suggesting a possible role in the terminal differentiation of the intestine. Increased CDX2 expression is associated with chronic atrophic gastritis. Detectable expression of CDX2 precedes expression of CDX1 during the progression of intestinal metaplasia, thus expression of CDX2 may trigger the initiation and development of intestinal metaplasia. Markedly reduced or absent CDX2 expression was noted by immunohistochemistry in 13 of 15 (87%) large cell minimally differentiated carcinomas (LCMDCs), whereas only 1 of the 25 (4%) differentiated adenocarcinomas (DACs) showed reduced CDX2 expression. Thus, a significant decrease in human CDX1 and/or CDX2 expression may be associated with colorectal tumorigenesis.

Application Notes

Titration of the CDX2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this CDX2 antibody.

Storage

Aliquot the CDX2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.