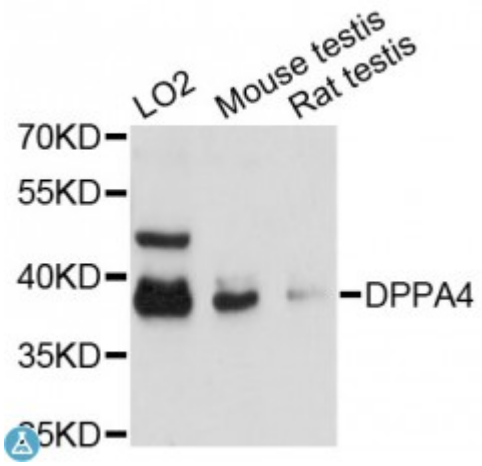
Anti-DPPA4 Antibody



Description	This gene encodes a nuclear factor that is involved in the maintenance of pluripotency in stem cells and essential for embryogenesis. The encoded protein has a scaffold-attachment factor A/B, acinus and PIAS (SAP) domain that binds DNA and is thought to modify chromatin. Mice with a homozygous knockout of the orthologous gene die during late embryonic development or within hours after birth. Knockout embryos are normal in size at embryonic day 18.5 but exhibit skeletal and lung tissue abnormalities. This gene, when mutated, is highly expressed in embryonal carcinomas, pluripotent germ cell tumors, and other cancers and is thought to play an important role in tumor progression. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants.

Model	STJ115677
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 15-304 of human DPPA4 (NP_060659.3).
Gene ID	55211
Gene Symbol	DPPA4
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Developmental pluripotency-associated protein 4
Molecular Weight	33.541 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:19200OMIM:614125Reactome:R-HSA-2892247
Alternative Names	Developmental pluripotency-associated protein 4
Function	May be involved in the maintenance of active epigenetic status of target genes, May inhibit differentiation of embryonic cells into a primitive ectoderm lineage,
Cellular Localization	Nucleus

St John's Laboratory Ltd
F +44 (0)207 681 2580
T +44 (0)208 223 3081
W http://www.stjohnslabs.com/
E info@stjohnslabs.com