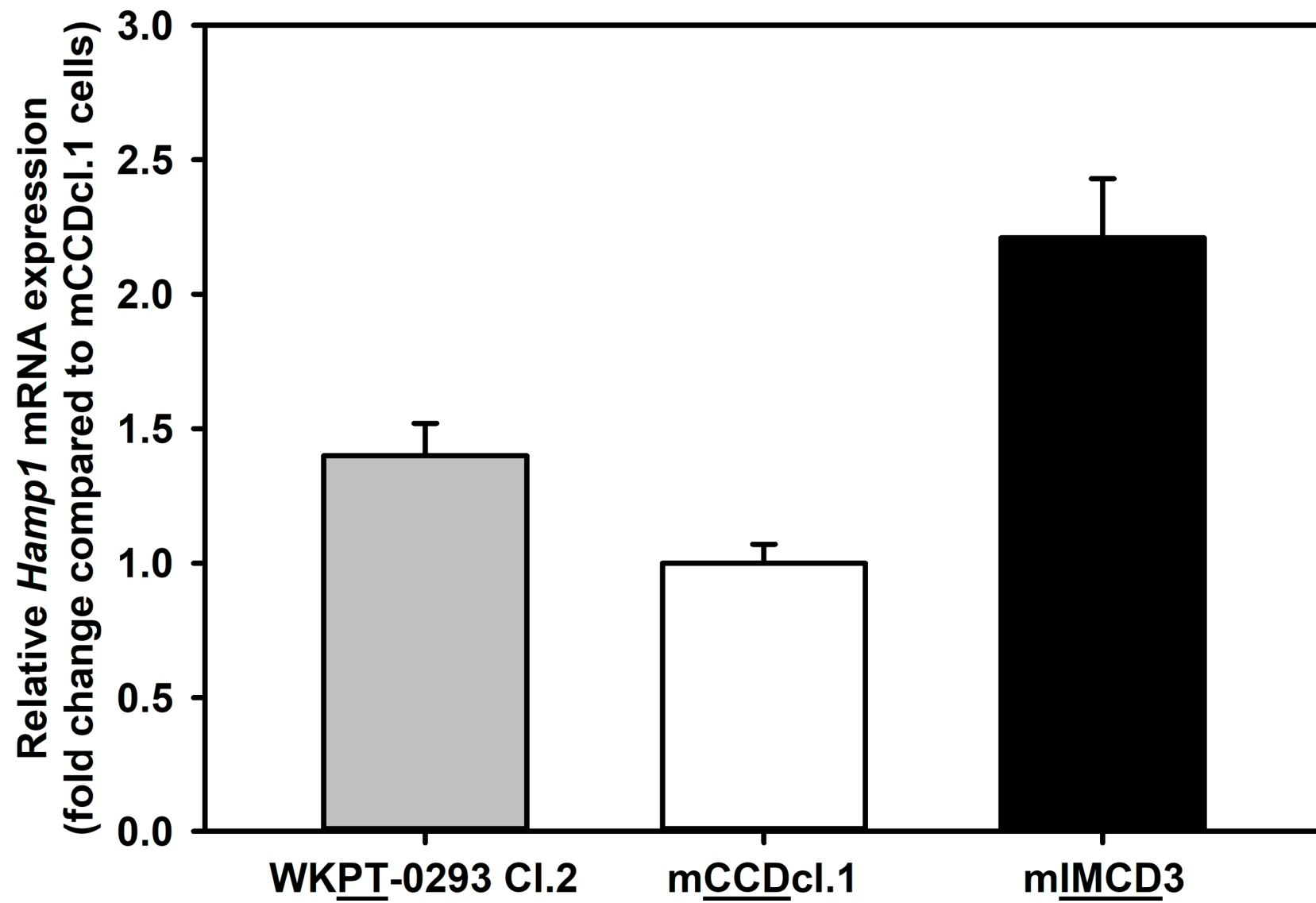


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Supplementary Figures 1-6 + Supplementary Table 1

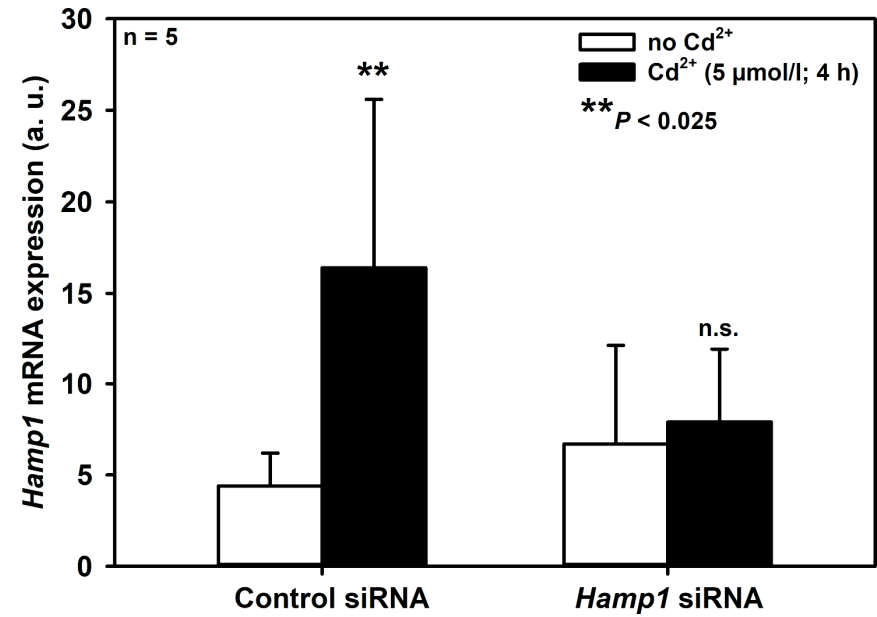
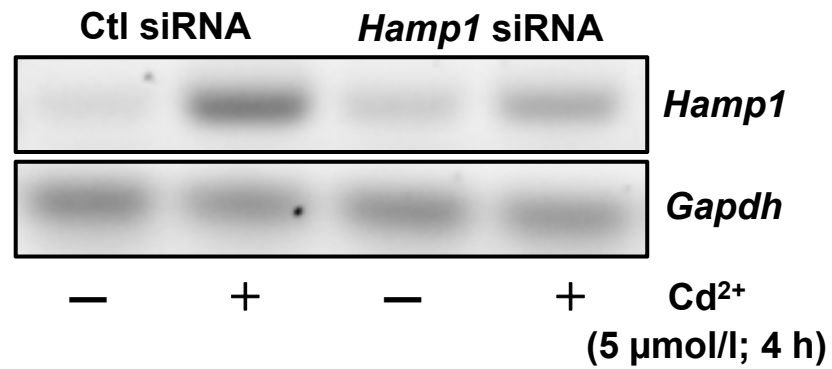
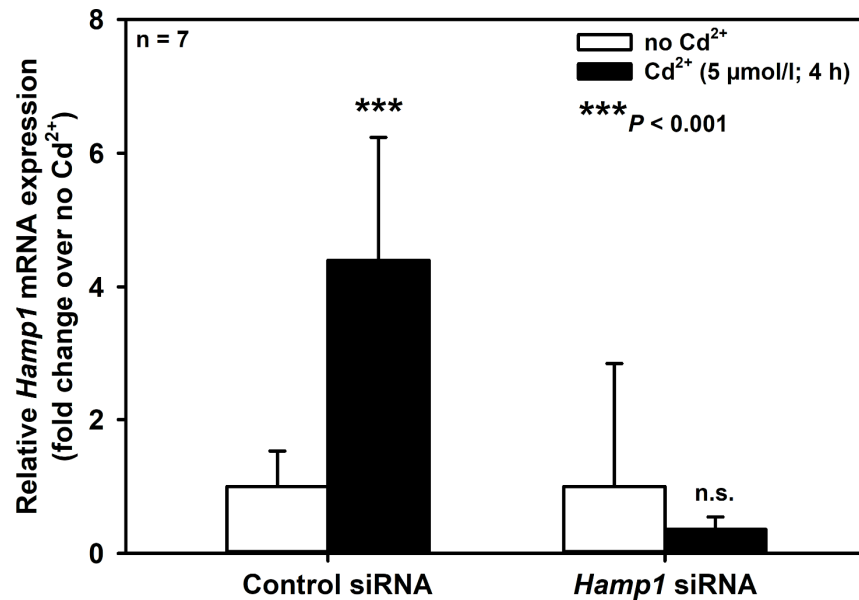
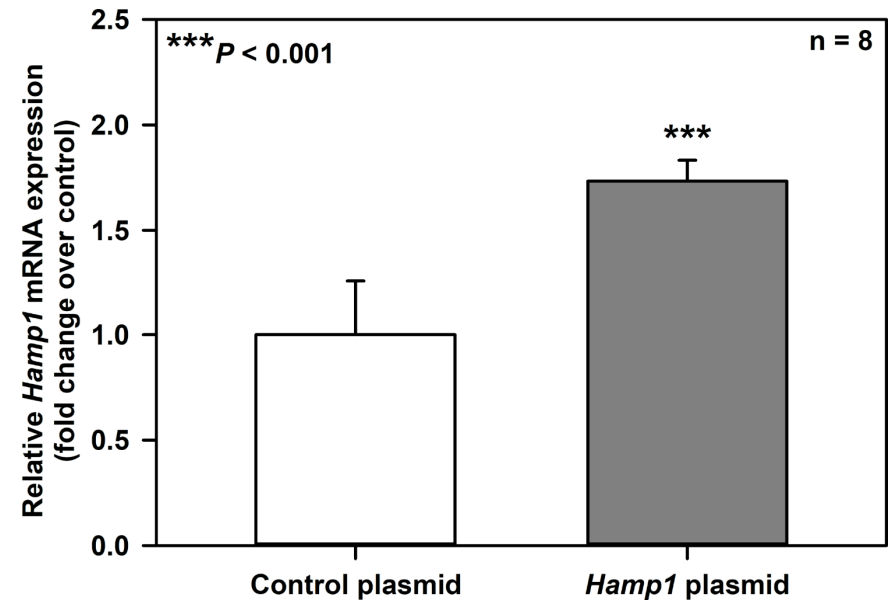
Role of hepcidin in oxidative stress and cell death of renal medullary collecting duct cells: Protection against iron but sensitization to cadmium

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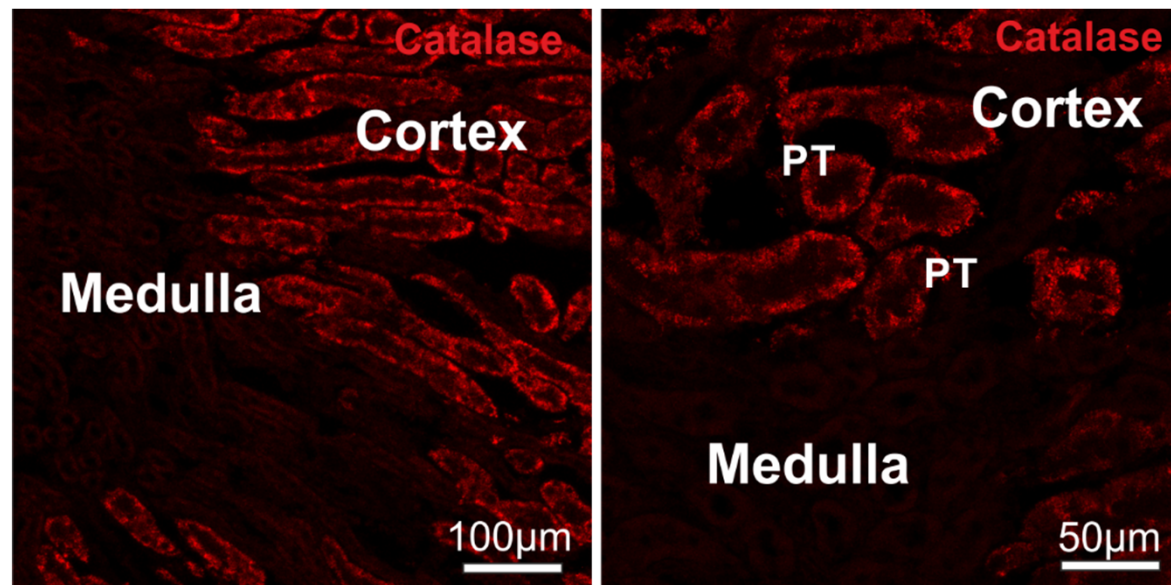


Suppl. Figure 1

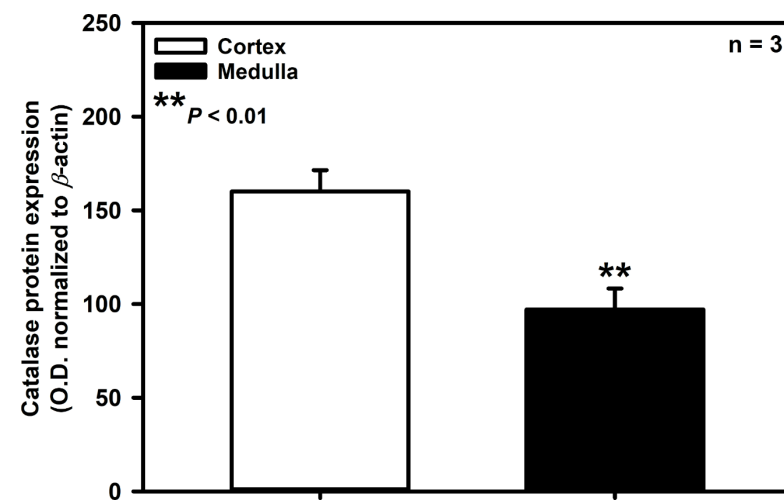
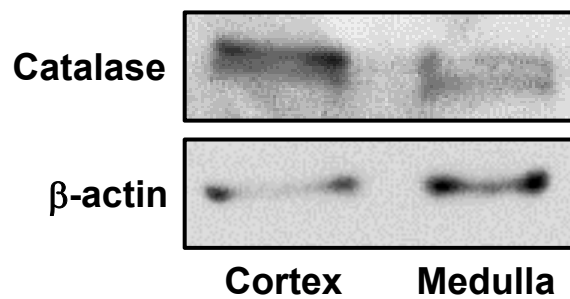
a**b****c**

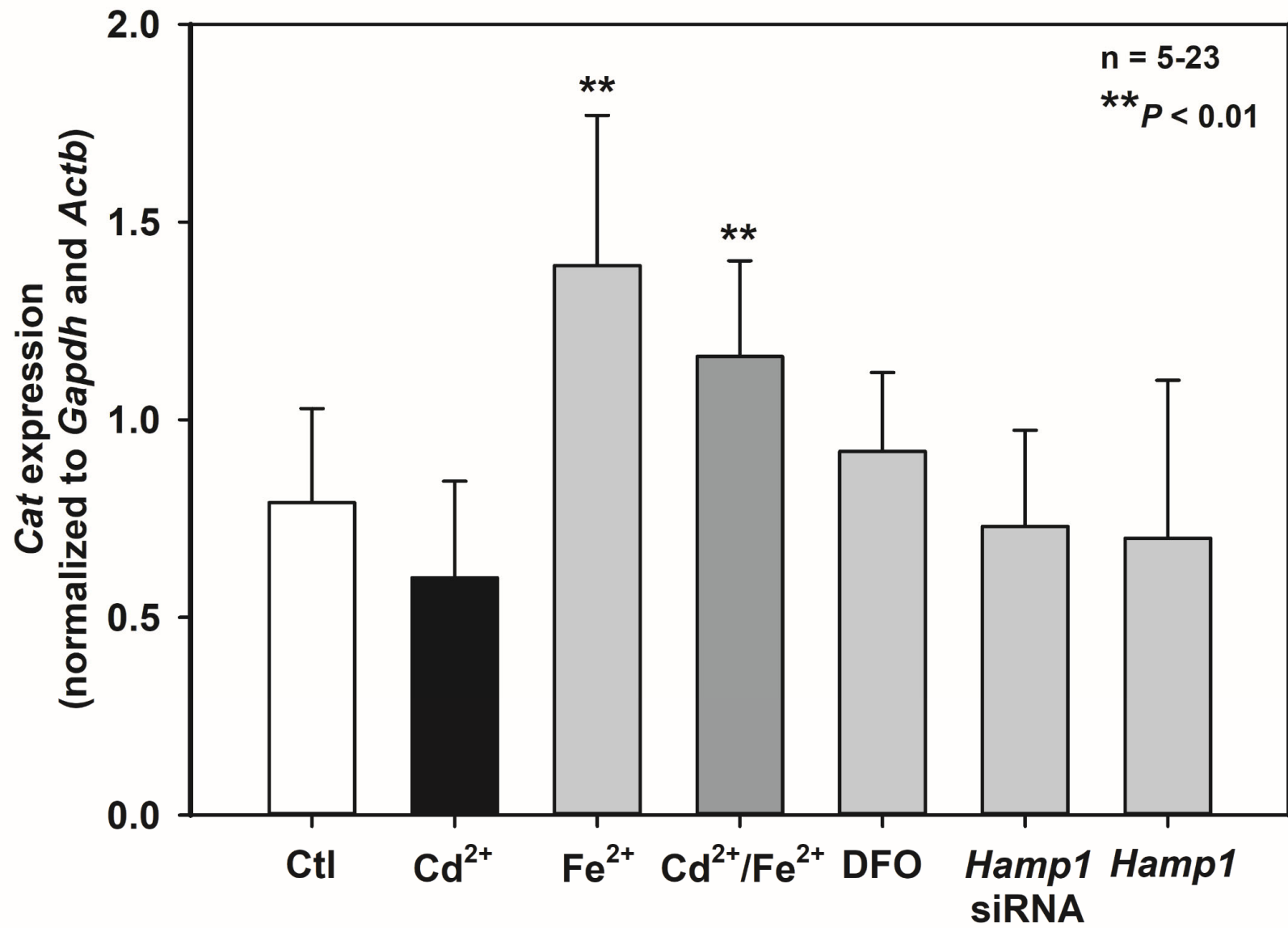
Suppl. Figure 2

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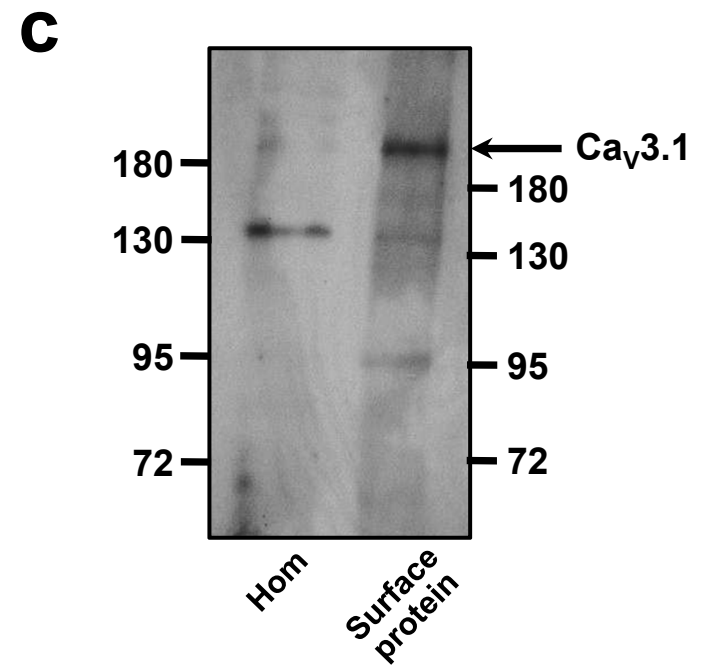
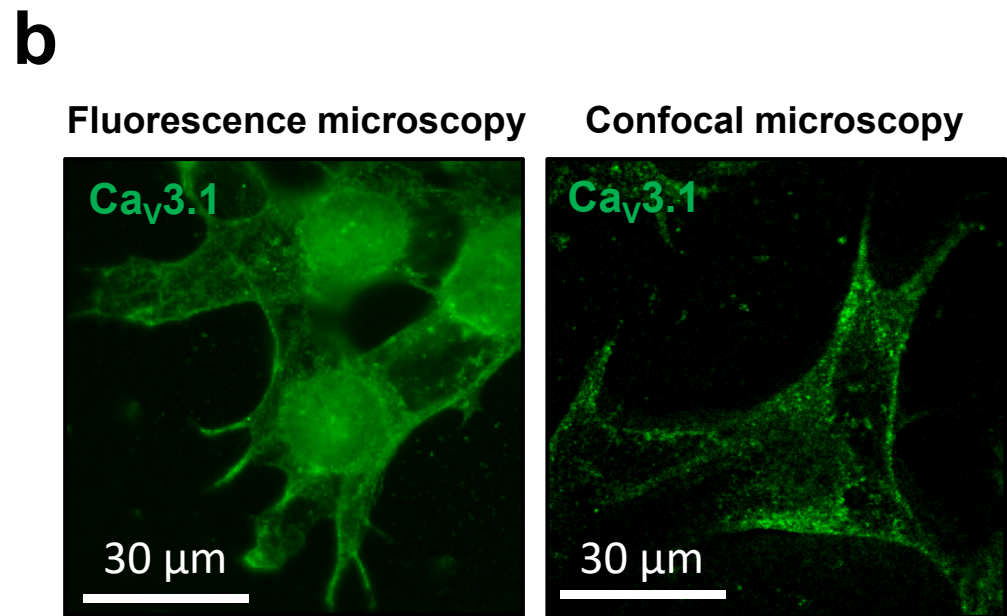
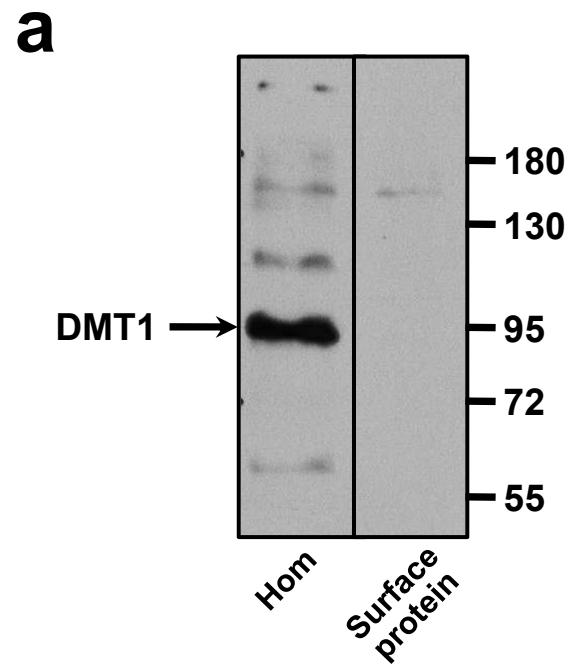


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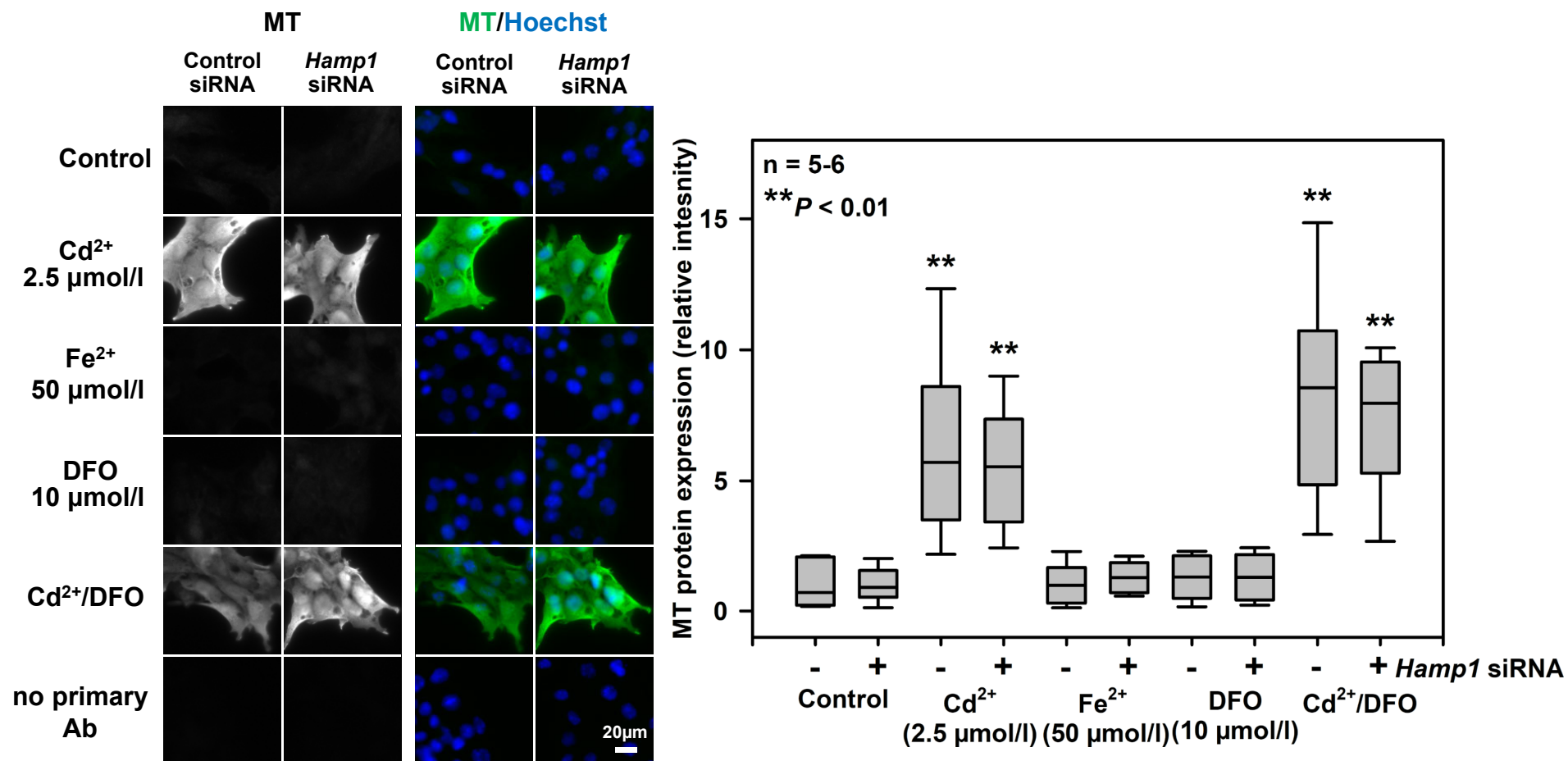




Suppl. Figure 4



Suppl. Figure 5



Suppl. Figure 6

Method / Assay	Cell line	Seeding density	Plate format	Culture time
<i>Hamp1</i> RT-PCR/qPCR	mIMCD ₃	1.0 x 10 ⁵ / well	6-well	48 h
<i>Hamp1</i> overexpression <i>Hamp1</i> qPCR	mIMCD ₃	8.0 x 10 ⁴ / well	12-well	24 h
<i>Hamp1</i> qPCR	mCCD(cl.1)	1.25 x 10 ⁵ / well	12-well	24h
<i>Hamp1</i> RT-PCR/qPCR	WKPT-0293 Cl.2	2.5 x 10 ⁵ / well	6-well	48 h
<i>Cat</i> qPCR	mIMCD ₃	2.0 x 10 ⁵ / well	6-well	24 h
<i>Hamp1</i> overexpression <i>Cat</i> qPCR	mIMCD ₃	8.0 x 10 ⁴ / well	12-well	24 h
Catalase Assay	mIMCD ₃	1.2 x 10 ⁵ / well	12-well	24 h
Catalase Assay	mIMCD ₃	2.0 x 10 ⁵ / well	6-well	24 h
Catalase Assay	mCCD(cl.1)	1.0 x 10 ⁵ / well	12-well	24h
Catalase Assay	WKPT-0293 Cl.2	3.5 x 10 ⁵ / well	6-well	24 h
MTT	mIMCD ₃	1.0 x 10 ³ / well	24-well	72 h
MTT	mIMCD ₃	3.0 x 10 ⁴ / well	24-well	24 h
MTT	mIMCD ₃	1.5 x 10 ⁴ / well	48-well	24 h
<i>Hamp1</i> overexpression MTT	mIMCD ₃	4.0 x 10 ⁴ / well	24-well	24 h
MTT	mCCD(cl.1)	2.5 x 10 ⁴ / well	24-well	24h
Trypan Blue	mIMCD ₃	2.5 x 10 ⁴ / well	24-well	24 h
APOSTRAND™ ELISA Apoptosis Assay	mIMCD ₃	1.0 x 10 ³ / well	96-well	24 h
CellROX™ Green	mIMCD ₃	5.0 x 10 ³ / well	24-well	72 h
<i>Hamp1</i> overexpression CellROX™ Green	mIMCD ₃	4.0 x 10 ⁴ / well	24-well	24 h
PARP immunoblotting	mIMCD ₃	2.8 x 10 ⁵ / well	6-well	24h

Suppl. Table 1: Seeding density, multiwell culture plate formats, and culture time before treatment for the methods/assays used in rat proximal tubule (WKPT-0293 Cl.2), mouse cortical (mCCD(cl.1)) and inner medullary collecting duct (mIMCD₃) cell lines.

Cell line	Relative mRNA (normalized to <i>Gapdh</i> and <i>Actb</i>)	Relative Protein (O.D. normalized to β - actin)	Enzymatic activity (U/ml/ μ g protein)
WKPT-0293 Cl.2	0.46 $\pm$ 0.15	125.9 $\pm$ 41.9	30.3 $\pm$ 17.3
mIMCD ₃	0.18 $\pm$ 0.08	56.5 $\pm$ 16.7	7.3 $\pm$ 3.5
mCCD(cl.1)	n.d.	n.d.	5.3 $\pm$ 0.9
n	3	5	10-11

mRNA expression was determined by qPCR, protein expression by immunoblotting and enzymatic activity by fluorimetry (see Methods). Means $\pm$ SD are shown. n.d. = not determined

Suppl. Table 2: Catalase expression and activity in proximal tubule (WKPT-0293 Cl.2) and inner medullary collecting duct (mIMCD₃) cell lines.